

WIPO



PCT/AAQ/VI/12

ORIGINAL: English

DATE: October 20, 1975

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
GENEVA

**PATENT COOPERATION TREATY**

**INTERIM ADVISORY COMMITTEE FOR ADMINISTRATIVE QUESTIONS**

**Sixth Session: Geneva, October 27 to November 3, 1975**

REPORT ON A TEST WHICH THE UNITED STATES  
PATENT AND TRADEMARK OFFICE RECENTLY  
CONDUCTED ON PCT PROCEDURES, FORMS AND  
ADMINISTRATIVE INSTRUCTIONS

presented by the United States Patent and Trademark Office

1. The International Bureau has received from the United States Patent and Trademark Office, with a letter dated October 10, 1975, a copy of a report on a test conducted in that Office on PCT procedures, Forms and Administrative Instructions, together with the indication of the interest of that Office to participate in further testing activities internationally.
2. In that test, a simulated PCT application was processed inside that Office, acting both in the capacity of a Receiving Office and of an International Searching Authority.
3. The letter and the report, as well as the filled out Forms submitted by the United States Patent and Trademark Office, are reproduced as an Annex to this document.
4. The Interim Committee is invited to take note of the report herewith submitted and to consider this document in conjunction with documents PCT/AAQ/VI/9 and 11.

[Annex follows]

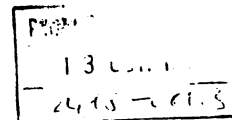


PCT/AAQ/VI/12  
Annex/Annexe  
**U.S. DEPARTMENT OF COMMERCE**  
**Patent Office**

Address Only: COMMISSIONER OF PATENTS  
Washington, D.C. 20231

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U.S. PATENT AND TRADEMARK OFFICE  
REPORT OF INTERNAL PCT TEST



Mr. K. Pfanner  
Deputy Director General  
World Intellectual Property Organization  
32 chemin des Colombettes  
1211 Geneva 20, Switzerland

Dear Mr. Pfanner:

Enclosed is a copy of a report on a test which our Office recently conducted on PCT procedures, Forms and Administrative Instructions. The observations and comments set forth in this report may be of some benefit to you and the Interim Advisory Committee for Administrative Questions in its further consideration of these items.

This test was fairly brief and did not involve Designated Office procedures. However, our processing of a simulated PCT application as both Receiving Office and International Searching Authority brought a number of problem areas to our attention.

The U.S. Patent and Trademark Office is planning to conduct more detailed tests within the Office and would, of course, be interested in participating in international tests which would include the World Intellectual Property Organization and other participating offices or organizations. We will be indicating our interest at the forthcoming PCT Interim Committee Meeting later this month. In this respect it might be useful if our report could be distributed to those countries attending the meetings.

Sincerely,

C. Marshall Dann  
Commissioner of Patents  
and Trademarks

Enclosure

An initial internal test of the draft PCT Administrative Instructions and forms as well as the procedures developed by the United States PCT Implementation Working Group was conducted by the United States Patent and Trademark Office between August 6 and September 10, 1975.

I. PURPOSES OF THE TEST

The purposes of conducting this test were:

- (1) to assess the draft Administrative Instructions and forms under simulated processing conditions prior to the 1975 PCT Interim Committee meetings;
- (2) to examine the completeness of PCT procedures as adapted by the United States PCT Implementation Working Group, for the U.S. as a Receiving Office and International Searching Authority; and
- (3) to discover processing problems that could occur given the pressures imposed by various time limits under the Treaty.

II. THE TEST

A. The Test Application

The test involved only one application which was especially prepared to simulate an international application. The drawing and substantially all of the description were taken from an expired U.S. patent for an electrically heated vest. Certain defects were added in order to present matters that would require correction by the Receiving Office and by the International Searching Authority. The claims were modified to present questions as to Unity of Invention.

B. The PCT Authorities and the Applicant

All of the individuals who performed functions as various International Authorities were members of the United States PCT Implementation Working Group. All of these individuals were familiar with the requirements of the PCT. However, the individual who acted as the applicant had no previous contact with or knowledge of the Treaty.

### C. Processing Guidelines and Limits

The test involved the processing of papers among the applicant, Receiving Office, International Searching Authority and International Bureau up to and including the preparation and transmittal of the International Search Report. No attempt was made to "publish" the application and search report or to perform any of the application processing steps of the Designated Office in the national stage. Also, no attempt was made in this initial test to include such operational areas of the Patent and Trademark Office, as the Finance Division, Reproduction Services Division, Record Preparation Section, or Security and Licensing Division. The functions performed in these areas are primarily internal and generally vary among the Offices. However, these areas will be involved in future tests.

Procedures other than those specified in the Treaty or Administrative Instructions were developed by the PCT Implementation Working Group. All of the various tasks were separately identified and assigned "task numbers" for easy identification. These tasks are a further elaboration and adaptation of the steps set forth in the Appendix of document PCT/AAQ/VI/7.

### D. Time Limits Under the Test

The time periods set forth in the Treaty were used; however, in order to reduce the total time of the test, a special "calendar" was prepared. On this special "calendar", one day under the Treaty was equal to one actual hour of a working day. For example, if the applicant has ten days to respond under the Treaty, he would have ten working hours to respond under the test. Since only one application was involved in the test and communications were hand carried, each authority and the applicant were able to meet the prescribed time limits. By using this system, it was possible to shorten the test period and still monitor and check time limits.

## III. RESULTS OF THE TEST

### A. Problems Encountered and Solutions Suggested

#### 1. File Numbering System

The current Administrative Instructions provide for a provisional file number (Section 307(a) without "PCT/" and the use of an international application number with "PCT/" (Section 307(b)). This numbering system required substantial time since it was necessary to first mark the provisional file number on each sheet of each copy of the application received and then later, after a positive determination had been made under Article 11(1), to stamp "PCT/" before the previously marked provisional file number on each page of the application.

Since a provisional file number would only be useful for a short time in most cases, and since the procedure of marking "PCT International Application" to indicate that the application has been accorded a filing date is provided for in Rule 20.5(a) it appears that the concept of a provisional numbering system could be dropped. Those few forms that may be used early in the processing before the according of the filing date could contain check boxes to indicate the status of the case.

#### 2. File Jacket

The application file jackets currently being used in the U.S. Patent and Trademark Office are designed to accommodate papers with holes punched in the top margins. These jackets are not practical under the Treaty since page numbers are to be placed at the top of the PCT papers. Consequently, any fastening means for international application papers should be in the left margin. It would appear to be mutually beneficial if agreement could be reached on a single type of fastening device for use by all authorities. If agreement could be reached, the various forms could be prepunched to accommodate the fastening device.

Our test indicates that file jackets for international applications should provide separate placement areas, one for application papers and another for other correspondence. The file jackets should also be designed to protect the drawings against damage, and to store cited prior art documents.

#### 3. Handling of Fees

The processing and recording of PCT fees is an area in which many problems remain. Currently, the first page of national applications and all other papers, such as amendments, in which a fee is included, is stamped by accounting machines to indicate that payment has been received and credited. It appears that such a procedure of stamping fee information on the application papers is not permitted under the PCT.

It was also found that a Receiving Office form may be necessary to notify the International Bureau as to which designation fees have been paid at the end of twelve months after the priority date, especially if the Record Copy has been previously forwarded.

Systems must also be developed for regularly transmitting funds received as fees between the authorities.

#### 4. Monitoring Time Limits

Problems were found in developing a time limit monitoring system. Both the time limits running against the applicant and the authorities must be monitored. It appears that a fairly complex record system must be developed to monitor the priority date timing and any overlapping or variable time limits when a large number of applications are pending before an authority.

#### 5. Dating

The current Administrative Instruction Section 201 offers two alternative approaches as to how an authority is to date the papers received. Both alternatives combine two systems of indicating dates. It was questioned whether the authorities should use either the system which includes the spelled-out name of the month or the totally numeric system. To use both systems together does not appear necessary and consumes too much space.

#### 6. Entry of Amendments

The Treaty and Administrative Instructions do not clearly define the authority responsible, or the standard methods to be used, for entering corrections and other amendments. In our test, the International Searching Authority did not fully understand the entry notations previously made by the Receiving Office.

#### 7. Content of Files

Questions arose as to exactly which papers should be included as part of the Home, Record and Search copies. For example, should all papers be included in each copy, including those papers pointing out corrected informalities and cover letters accompanying fee payments, or only those papers which are necessary to give a complete corrected copy of the application? Even though fee forms and completed invitations were deleted from the Search Copy, each copy was very bulky at the end of the test.

#### 8. Unity of Invention

The only major problems for the International Searching Authority which became apparent from the test related to the area of Unity of Invention. It seems that additional guidelines or Administrative Instructions should be prepared so that all authorities and the Designated Offices will have a substantially uniform interpretation of Rule 13.

In the test application, Claim 1 was drawn to a heat retaining pad per se. Claim 2 was drawn to the combination of the device of Claim 1 and a vest. The question arose as to whether Claim 2 should be considered to be the "main invention" under Article 17(3)(a). The decision was made that Claim 1 was the "main invention".

The question also arose as to the interpretation of Rule 13.3, which allows "two or more independent claims of the same category -- which cannot readily be covered by a single generic claim."

The question also arose as to the interpretation of Rule 13.3, which allows "two or more independent claims of the same category -- which cannot readily be covered by a single generic claim." If several such independent claims appear in an application, can lack of unity be held if the examiner is able to write a generic claim? Must such a generic claim be novel? Must it involve an inventive step?

#### B. Problems Relating to the Draft Forms

##### 1. Usefulness of the Forms

The draft forms developed by WIPO were generally found to be useful. In most instances, they provided a convenient, but sometimes cumbersome, means of communication. In certain instances:

- (a) No forms were in existence such as a form to notify the applicant that he failed to place his signature on his letter of correction;
- (b) The forms were inadequate in content, such as form PCT/RO/106 which does not provide for certain physical defects such as misnumbered claims or

failure to use metric notation. PCT/RO/102 (Annex) and PCT/RO/102 are also inadequate in that designation fees cannot be calculated easily on the form;

- (c) The forms were inadequate in format such as form PCT/RO/106 in that all information on physical defects had to be explained in the small space on the annexes as the check boxes were too general. Form PCT/ISA/206 allowed for the typing of only five single spaced lines of text to explain the reasons for lack of unity of invention;
- (d) The forms were inconsistent with pending implementing legislation, such as forms PCT/RO/102 and PCT/RO/117 that provide for delayed payment of fees due on filing. The United States implementing legislation does not provide for such delayed payment. The inclusion of such language would be misleading to applicants filing in the United States Receiving Office.

## 2. "Notes" to the Forms

The test indicated that a substantial reduction in copying and printing costs could be made if the forms merely cited the relevant Article, Rule, or Administrative Instruction at the appropriate location on the face of the form. Otherwise when copies of the forms are reproduced the notes on the reverse side must be reproduced on a second sheet in order to provide complete understanding of the communication. The use of numerical footnote references on the face of the form are meaningless without the accompanying keyed text on the reverse side of that particular form. We feel that it can be assumed that each authority, agent and applicant who is sufficiently knowledgeable to file an international application would also have a copy of the Treaty and Administrative Instructions.

## 3. Comments Relating to the Request

PCT/RO/101 Request Form:

The applicant did not fill in the check boxes referring to additional information on the supplemental sheet, because the boxes were so small that they were unintentionally overlooked. The Receiving Office filled these in.

The applicant also placed the continuation sheet, containing the indication of the common representative, after the last sheet and had to be notified of his error.

In box V, Designation of States, no appropriate space was provided for entry of two-letter country codes by the Receiving Office. The applicant did not number his designations, making fee calculations difficult, and as typewriter spacing between boxes is not uniform vertically, the applicant could fit only six designations into a box pre-printed with the numbers 1-7.

In box VI, Priority Date, the applicant inserted the title of the invention in the space following the sentence "The priority of the following earlier application is claimed" as the notes to the form did not tell the applicant that no information should be placed on this line. The Receiving Office had to cancel the title per Rule 4.17, for which there was no form.

The fee calculation sheet (Annex to PCT/RO/101) does not contain instructions on whether or not it is to be counted in the page numbering of the application. In the test, the applicant numbered it. Certain small lines on which the applicant was to place the number of designations were left blank. The Receiving Office recalculated the fees next to the calculations of the applicant. The form was very messy at the end of this process.

## 4. "Blank" Forms

The test indicated that there were some situations which were not at all provided for by the draft forms. Since it is obviously impractical to list and design forms for all of these infrequently occurring situations, it is suggested that a "blank" form containing no text but including the standard address, identification and signature boxes be provided for use when no other appropriate form is available.

#### IV. FUTURE TESTS

##### A. National Tests

Further internal national testing is planned on a continuing basis as additional instructional and procedural materials are developed. In time, these tests hopefully will simulate most problems and functions which may arise before our Office under the PCT.

##### B. International Tests

###### 1. Suggested Tests

A multi-national test of the draft forms and international processing procedures would be very helpful at this time. Such a test should allow all forms, guidelines, Administrative Instructions and other procedures to be further refined.

Such tests could begin with a fairly simple sample application being filed by an Office employee acting as an applicant before his own Receiving Office. The International search could then be made by the prospective International Searching Authority which is presently expected to perform the searching for that Receiving Office. WIPO could perform the duties of the International Bureau and all willing national and regional Offices could act as Designated Offices.

After some experience has been gained in basic procedures, mail time and ability to meet time limits in such an initial international test, more difficult tests could be undertaken. These tests could involve applications with more defects and with varying backgrounds, such as an application referring to a prior national application for which an International-type Search was made, an application filed on the last day of the priority year with a request for the alternative forwarding procedure under Rule 22.2(d), etc. Additional problems may also be raised by having the applicant request early national processing under Article 23(2).

###### 2. Time Limits

In the United States test, a time chart was prepared to compress the time periods allowed and thereby bring the test to an end more quickly. In effect, this time chart equated

one day under the Treaty to one working hour under the test. However, for the international test, it may be more practical to allow full Treaty time limits. Also, the applicant and each authority should be encouraged to perform its functions in the shortest possible time to minimize total test time.

###### 3. Summary

An international test should prove helpful to further identify problem areas. The various office practices should provide a variety of possible solutions, from which a choice could be made.

#### V. EXCHANGE OF FILE JACKETS

The U.S. delegation to the Interim Committee meetings in Geneva is planning to bring samples of the file jackets currently being used in the U.S. Patent and Trademark Office for the information of other delegations.

The United States PCT Implementation Working Group is interested in knowing what type and design of file jackets, fastening devices and record systems are currently in use by other offices. It is hoped that a single paper fastening system and possibly a basic file jacket design could be developed that would be acceptable to all authorities.

Record Copy

PCT/AAQ/VI/12  
Annex/Annexe

page 11

**INTERNATIONAL APPLICATION  
UNDER THE  
PATENT COOPERATION TREATY  
REQUEST**

THE UNDERSIGNED REQUESTS THAT THE PRESENT  
INTERNATIONAL APPLICATION BE PROCESSED  
ACCORDING TO THE PATENT COOPERATION TREATY

(The following is to be filed in by the Receiving Office)

**INTERNATIONAL APPLICATION NO:**  
**PCT/US76/00001**

**INTERNATIONAL FILING DATE:** 3 February 1976  
**RO/US (03.02.76)**

**(Stamp) INTERNATIONAL APPLICATION**  
Name of Receiving Office and "PCT International Application"

**I. TITLE OF INVENTION**

Portable Heating Device

**II. APPLICANT** */*. Additional applicants are indicated on supplemental sheet.

Name <sup>3, 5</sup>  
Lebeaux, Roy

Address <sup>4, 5</sup> (including postal code and country) Rm. 2-6D23-M, 2111 Jefferson Davis Hwy.,  
Arlington, VA 20231, United States of America

Telephone number 703-557-3777	Telegraphic address	Teletype address
----------------------------------	---------------------	------------------

Nationality <sup>6</sup> (country) United States of America  
Residence <sup>7</sup> (country) United States of America

Filled in by RO/US

**III. INVENTOR** <sup>8</sup> (Applicant is also the inventor ) ... Additional inventors are indicated on supplemental sheet.

Name <sup>3, 5</sup>  
Lebeaux, Roy

Address <sup>4, 5</sup> (including postal code and country) Rm. 2-6D23-M, 2111 Jefferson Davis Hwy.,  
Arlington, VA 20231, United States of America

Filled in RO/US

**IV. AGENT (IF ANY)** <sup>9</sup> ... Additional agents are indicated on supplemental sheet.

A.  Applicant hereby appoints the following named agent to act on his behalf before the competent authorities. <sup>9</sup>  
B.  Applicant has appointed the following named agent in accompanying separate power of attorney. <sup>9</sup>

Name <sup>3, 5</sup>

Address <sup>4, 5</sup> (including postal code and country).

Telephone number	Telegraphic address	Teletype address
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**V. DESIGNATION OF STATES** <sup>10</sup> (and possible indication of wish to obtain regional patents) <sup>11</sup> (and possible choice of certain kinds of protection) <sup>12</sup> ... Additional designations are indicated on supplemental sheet.

- Algeria AG
- Argentina AR
- Australia AU
- Austria OE
- Belgium BE
- Brazil BR

**VI. PRIORITY CLAIM (IF ANY)** <sup>13</sup> ... Additional priority claims are indicated on supplemental sheet.

The priority of the following earlier application is claimed: Portable Heating Device

Country (if the earlier application is regional or international application, indicate all countries for which it was filed). United States of America	Filing Date <sup>14</sup> 25 February 1975 (25.02.75) Application Number <sup>15</sup> 154,227
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If earlier application was a regional or international application, indicate the National Office or intergovernmental organization with which the earlier application was filed.

Dated 10/05/75

USE THIS SHEET IF ANY OF THE BOXES IS NOT LARGE ENOUGH TO CONTAIN INFORMATION TO BE FURNISHED. INDICATE THE BOXES CONTINUED ON THIS SHEET BY THEIR (ROMAN) NUMERALS AND TITLE (e.g.: "II. APPLICANT (CONTINUED)")

## II. APPLICANT (Continued)

Name: Chadwick, George

Address: Rm. 2-6D23-A, 2111 Jefferson Davis Hwy.,  
Arlington, VA 20231, United States of America

Nationality and Residence: United States of America

Applicant Lebeaux, Roy is appointed to act as the common representative on behalf of all the applicants.

## III. INVENTOR (Continued)

Name: Chadwick, George

Address: Rm. 2-6D23-A, 2111 Jefferson Davis Hwy.,  
Arlington, VA 20231, United States of America

## V. DESIGNATION OF STATES (Continued)

Bulgaria BG	Monaco MC
Cameroon, Regional Patent AM	Morocco MA
Canada CA	Netherlands NL
Cuba CU	New Zealand NZ
Cyprus CY	Nigeria NG
Czechoslovakia CS	Norway NO
Denmark DK	Philippines PH
Dominican Republic DR	Poland PO
Egypt ET	Portugal PT
Finland SF	Republic of South Viet-Nam VS
France FR	Romania RO
German Democratic Republic DL	San Marino SM
Germany (Federal Republic of) DT	South Africa ZA
Greece GR	Southern Rhodesia RH
Haiti HI	Soviet Union SU
Holy See — CV	Spain ES
Hungary HU	Sri Lanka SL
Iceland IS	Sweden SW
Indonesia ID	Switzerland CH
Iran IR	Syrian Arab Republic SR
Ireland EI	Trinidad and Tobago TD
Israel IL	Tunisia TN
Italy IT	Turkey TR
Japan JA	Uganda UG
Jordan JO	United Kingdom GB
Kenya KE	United Republic of Tanzania TA
Lebanon LB	United States of America US
Liechtenstein FL	Uruguay UY
Luxembourg LU	Yugoslavia YU
Malawi MW	Zaire <del>ZR</del> CB
Malta ML	Zambia ZB
Mexico MX	





This column for use by Receiving Office

FEE CALCULATION SHEET

I. TRANSMITTAL FEE <sup>1</sup> ..... \$35 T

II. SEARCH FEE <sup>2</sup> ..... \$275 S

III. INTERNATIONAL FEE <sup>4</sup>

BASIC FEE <sup>3</sup>

Indicate the number of SHEETS contained in the international application 15

*Filled in by RO/US*

If the international application contains not more than 30 sheets ..... \$45.00 b<sub>1</sub>

If the international application contains more than 30 sheets, add \$1.00 for each sheet in excess of 30 ..... b<sub>2</sub>

Add amounts entered in boxes b<sub>1</sub> and b<sub>2</sub>, and enter total in box B. This figure is the amount of the BASIC FEE ..... \$45 B

DESIGNATION FEES <sup>6</sup>

Indicate the number of DESIGNATED STATES for which regional patents have not been sought 168

*Filled in by RO/US*

Multiply the number of these which require transmittal of a copy of the international application <sup>7</sup> by \$14.00 ..... -0- d<sub>1</sub>

Multiply the number of these which do NOT require transmittal of a copy of the international application <sup>8</sup> by \$12.00 ..... \$816 d<sub>2</sub>

*filled in by RO/US*

Indicate the number of GROUPS of Designated States for which regional patents have been sought 1

*filled in by RO/US*

Multiply the number of these which require transmittal of a copy of the international application <sup>7</sup> by \$14.00 ..... -0- d<sub>3</sub>

Multiply the number of these which do NOT require transmittal of a copy of the international application <sup>8</sup> by \$12.00 ..... \$12 d<sub>4</sub>

*filled in by RO/US*

Add amounts entered in boxes d<sub>1</sub>, d<sub>2</sub>, d<sub>3</sub> and d<sub>4</sub>, and enter total in box D. This figure is the amount of the DESIGNATION FEES ..... \$828 D

Add amounts entered in boxes B and D, and enter total in box I. This figure is the amount of the INTERNATIONAL FEE ..... \$873 I

IV. TOTAL OF PRESCRIBED FEES:

Add amounts entered in boxes T, S and I, and enter total in the total box. This figure is the total amount of the PRESCRIBED FEES ..... \$1,183 TOTAL

THE APPLICANT MAY PAY THE PRESCRIBED FEES BY [CHEQUE, POSTAL MONEY ORDER, BANK DRAFT, CASH, REVENUE STAMPS, DEBITING DEPOSIT ACCOUNT NO. ...., COUPONS, ETC.]. PAYMENT SHOULD BE MADE IN THE PRESCRIBED CURRENCY TO THE [ACCOUNT OF, ACCOUNT INDICATED BELOW OF, ORDER OF] THE RECEIVING OFFICE.

Pd  
1148  
Pd  
875  
Pd  
828  
Pd  
12  
Pd  
0  
OK

source of heat after the applicator heating means is rendered ineffective.

Still another object of the present invention is to provide with a portable heat applying means, means  
5 whereby insulative heat controlling means and heat retaining means may be selectively and interchangeably utilized therewith.

### Description

#### Technical Field

This invention relates to means for applying heat locally to the human body, and pertains more particularly to a portable heat applicator.

One object of the present invention is to provide an  
5 electrical heat applicator having a portable source of electricity which adapts it for utilization at any time and anywhere.

Another object of the present invention is to provide with an electrical heat applicator insulative means  
10 whereby the heat permitted to penetrate to a user is effectively controlled.

Another object of the present invention is to provide with electrical heat applying means a plurality of differentially heat insulative means which may be  
15 selectively utilized for controlling the heat permitted to penetrate to a user.

Another object of the present invention is to provide with an electrical heat applicator, means whereby heat is absorbed and retained while the means for heating  
20 the applicator is effective and which serves as a

#### Background Art

In the prior art heating pads have been filled with asbestos. This asbestos is applied directly around  
10 the heating wires. When heat is applied directly to the asbestos hot spots develop in the asbestos due to uneven distribution of the heat throughout the entire surface area. By employing waterproof compartments containing water and applying heat indirectly thereto,  
15 the hot spots can be eliminated thereby distributing heat uniformly throughout the entire heating pad.

#### Brief Description of Drawings

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is an isometric view of the heating pad made  
20 in accordance with the first embodiment of the invention.

Fig. 2 is a fragmentary rear elevational view illustrating the heating pad of the first embodiment with an insulative pad detachably secured thereto.

25 Fig. 3 is a section taken along the lines 3--3 in Fig. 2.

-7-R0/JS

Fig. 4 is a fragmentary rear elevational view illustrating the heating pad of the first embodiment with a heat retainer detachably secured thereto.

5 Fig. 5 is a sectional view taken along the lines 5--5 in Fig. 4.

Fig. 6 is a sectional view taken along the lines 6--6 in Fig. 4.

Fig. 7 is an isometric view of a second embodiment of the invention.

10 Fig. 8 is a sectional view taken along the lines 8--8 in Fig. 7.

15 Fig. 9 is an isometric view of an insulating pad adapted for employment with the second embodiment and broken away to illustrate the internal construction thereof.

Fig. 10 is an isometric view of a heat retainer also adapted for employment with the second embodiment and also broken away to illustrate the interior thereof.

#### Disclosure

20 For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claim in which the various novel features of the invention are more particularly set forth.

-8-

-8- R0/JS

The means for applying heat to the human body, according to the first form of the present invention shown in Figs. 1 to 6, includes a heating pad 10 which comprises a cover 11 of pliant and non-inflammable material, a heating element 12 enclosed in said cover, 5 a plurality of male snap fasteners 13 arranged spacedly on the rear face of the cover adjacent the marginal edges thereof, and a buckling means 14 whereby the pad may be secured about a portion of the human 10 body.

Provided for supplying current to the said heating element 12 through suitably insulated wires 15 is a battery box 16, which includes a switch 17 for controlling the current emanating from batteries there- 15 in and is of dimensions permitting it to be carried in a pocket of the wearer's clothing.

The arrangement thus far described may be utilized as is for the application of heat to a particular portion of the human body. However, it is a well-known fact 20 that certain persons are particularly sensitive to heat and cannot comfortably endure too high a degree thereof on their epidermis. For this reason the present invention, as seen in Figs. 2 and 3, contemplates the provision of an insulative pad 20. Said pad 20 25 comprises a pliant covering 21 of any suitable material and includes therein a layer of any suitable heat insulative material 22. Provided for securing the pad 20 to the heating pad 10 is a plurality of female snap fasteners 23 arranged spacedly adjacent the marginal 30 edges of said pad 20 and adapted for cooperation with the male fasteners 13 on the said heating pad cover 11. It will be seen that when the just described

arrangement is in effective use there will be an insulative and protective layer of material between the heating pad and the user's epidermis and this, in effect, controls the heat permitted to penetrate through  
5 to said user's epidermis.

It will also be seen that a plurality of differentially insulative pads may be provided for selective employment with the heating pad and in this manner said heating pad may be adapted for use by a variety of  
10 persons.

Also provided for combined use with said heating pad  
10 is a heat retainer 25 which, as seen in Figs. 4, 5 and 6, is formed of any suitable waterproof material such as rubber, and includes in its construction a  
15 plurality of water-filled sealed compartments 26. Provided spacedly arranged and adjacent the marginal edges of the said heat retainer 25 is a plurality of female snap fasteners 27, which fasteners are adapted for cooperation with the male fasteners 13 carried on  
20 the said heating pad 10.

The just described arrangement, when detachably secured to the pad 10 by the mentioned fasteners, is adapted to have the water in the compartments 26 heated while the pad 10 is in operation. For a considerable degree of time after the pad 10 is rendered  
25 ineffective, the water which retained the heat will be effective for serving as a source of heat.

As seen in Figs. 7 and 8, a second embodiment of the invention contemplates a heating garment 30 including  
30 a vest 31, a heating pad 32 secured to said vest as to

provide a pocket 33 all about the said vest and comprising a cover 34 of suitable pliant and non-inflammable material, a heating element 35 enclosed in said cover, and a battery encasing box 36 affixed to said  
5 vest and having a switch 37 for controlling a flow of current through wires 38 to the said element 35.

This garment is effective for applying heat to the body when same is required to remedy certain illnesses, for warming spectators of cold weather sports, or  
10 for general cold weather comfort.

As seen in Fig. 9, the present embodiment also contemplates the provision of an insulative pad 40. Said pad 10 comprises a covering 41 of suitable pliant material which encloses a layer of heat insulative material 42. This insulative pad, when inserted in the  
15 pocket 33 of the heating garment 30, is effective for controlling the amount of heat permitted to penetrate from the heating pad 32 to the wearer's body. This embodiment also contemplates the provision of a plurality of interchangeable and differentially insulative pads for controlling the heat penetration variably.  
20

Now, as seen in Fig. 10, a heat retainer 45 is also adapted for insertion in the said garment pocket 33.  
25 Said retainer 45 is similar to that described above with regard to the first embodiment in that it, too, is formed of rubber, or like waterproof material, and includes a plurality of water-filled sealed compartments 46. When the retainer 45 is inserted in the  
30 garment pocket 33 and the heating pad 32 is effective,

-11- R0/JS

the water in the said compartments 46 will be heated  
to a temperature of between 110-140 degrees Fahrenheit.  
Thus, the heated water is adapted to serve effectively  
as a source of heat for the wearer after the heating  
5 pad is rendered ineffective or after the batteries  
supplying current to the heating element 35 have gone  
dead.

While I have illustrated and described the preferred  
embodiments of my invention, it is to be understood  
10 that I do not limit myself to the precise construc-  
tions herein disclosed and the right is reserved to  
all changes and modifications coming within the scope  
of the invention as defined in the appended claim.

### Claims

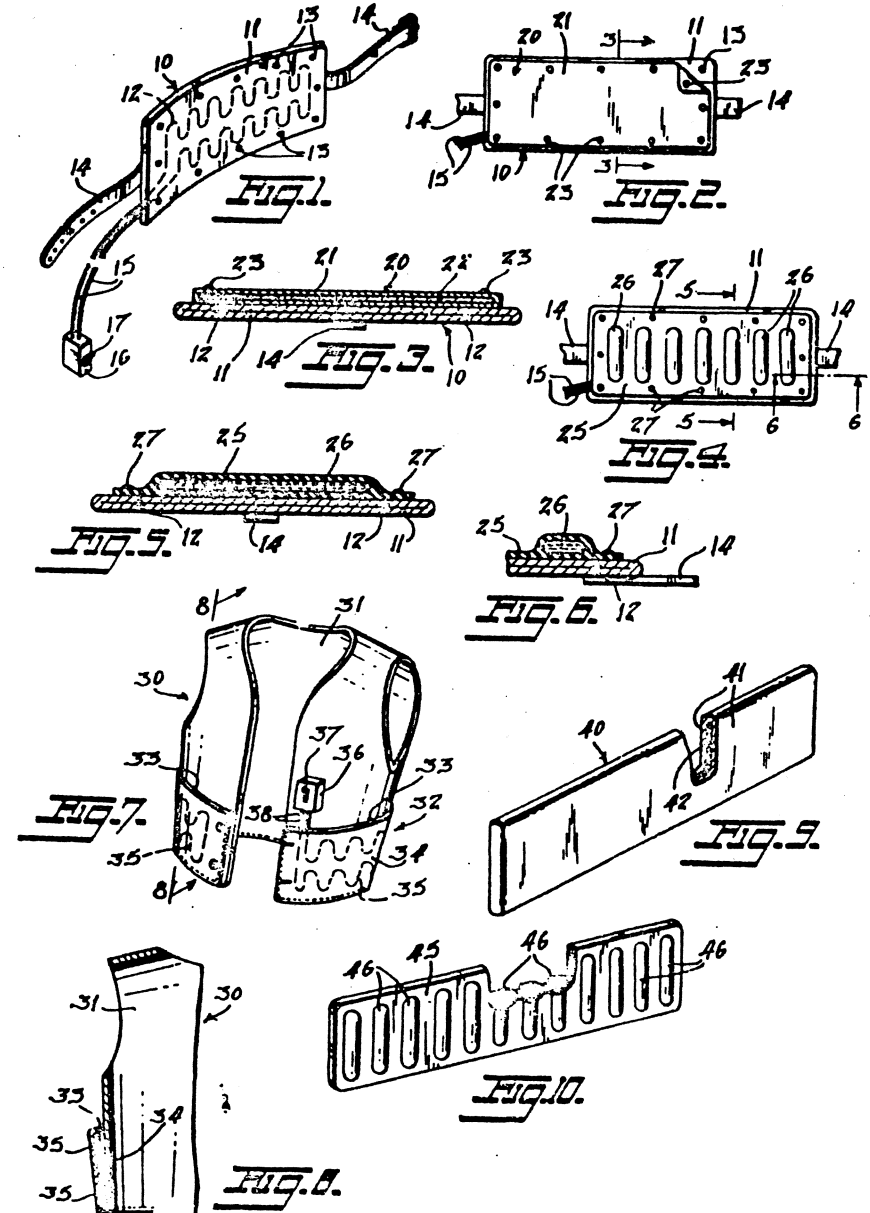
Having thus described my invention, what I claim as  
new, and desire to secure by Letters Patent is:

1. In an article of the class described having an  
5 electrically heated pad for engagement against a  
portion of the human body to be heat treated, a  
heat retaining pad positioned against the inner  
face of the heated pad, fastener elements mounted  
on the inner face of the heated pad, and comple-  
mentary fastener elements mounted on the outer  
10 face of said heat retaining pad and engaged with  
said first-mentioned fastener elements removably  
securing said heat retaining pad to the heated  
pad, so constructed and arranged that said heat  
retaining pad can be completely removed to have  
15 the heated pad engaged flat against the body, said  
heat retaining pad comprising an envelope of water-  
proof material having a plurality of waterproof  
compartments, and a quantity of water sealed in  
each of said compartments.
- 20 2. A combination vest and heating pad comprising: a  
sleeveless vest having a pocket surrounding the  
bottom portion of said vest, said pocket contains

the heating pad, said vest includes closure means down the front for securing the vest to the human body and said heating includes a battery box and a switch for controlling current to said heating pad.

5

4. The combination of claim 2 wherein said closure means is a series of male and female snaps.
5. The combination of claim 2 wherein said closure means is a zipper.
- 10 6. The combination of claim 2 wherein said closure means is "VELCRO" closures.
8. The combination of claim 2 wherein said closure means is a series of buttons.
9. A sleeveless vest comprising: a pocket surrounding the bottom portion and closure means extending down the front for securing said sleeveless vest to the human body.
- 15 10. The heating pad as described in figure 4.



Abstract

A portable device for applying heat to the human body. The device is made of a heating pad having an insulative pad detachably secured thereto. A battery box having a switch thereon is attached to insulated wires  
5 of the heating pad for emanating controlled current from said battery box to heating pad. A second embodiment employs a heating garment including a vest having a pocket for securing the heating pad thereto.



**PATENT COOPERATION TREATY**

TO

Mr. Roy Lebeaux  
Room 2-6D23-M  
2111 Jefferson Davis Hwy.  
Arlington, VA 20231

FROM

the RECEIVING OFFICE  
of the

U.S. Patent & Trademark Office  
NOTIFICATION CONCERNING PAYMENT  
OF TRANSMITTAL, SEARCH, AND  
INTERNATIONAL FEES

issued pursuant to PCT Rules 14, (2) 16, (3) 15 (4)

DATE OF MAILING by the Receiving Office

16 February 1976 (16.02.76)

Inscribe NAME and ADDRESS of the AGENT and if there  
is no agent, of the APPLICANT (1)

IDENTIFICATION OF THE INTERNATIONAL APPLICATION/PURPORTED INTERNATIONAL APPLICATION

International Application No./Provisional  
File No.

PCT/US76/00001

International Filing Date/Date of Receipt

03.02.76

Title of Invention

Portable Heating Device

Applicant (Name)

Lebeaux, Roy

NOTIFICATION

The applicant is hereby notified that this Receiving Office has calculated the amounts of the prescribed fees and has recorded any payment thereof as indicated below.

I. TRANSMITTAL FEE. This fee is charged in connection with the tasks performed by this Receiving Office. (2)

The Prescribed Amount of the Transmittal Fee is \$35.00

The Amount Paid by the Applicant is \$35.00

Thus the amount paid:

is the prescribed amount.

represents an overpayment in the amount of \_\_\_\_\_

leaves a balance due in the amount of \_\_\_\_\_

WHERE A BALANCE IS DUE, THE APPLICANT IS HEREBY INVITED WITHIN ..... (MONTH) (DAYS) FROM THE DATE OF MAILING INDICATED ABOVE TO SUBMIT THE ADDITIONAL AMOUNT. (5)  
FAILURE TO DO SO SHALL RESULT IN THE INTERNATIONAL APPLICATION BEING CONSIDERED WITHDRAWN. (6)

(NOTIFICATION continued on following page)

NOTIFICATION CONCERNING PAYMENT OF TRANSMITTAL, SEARCH AND INTERNATIONAL FEE (Continued)

II. SEARCH FEE. This fee is charged in connection with the tasks performed by the International Searching Authority. <sup>(3)</sup>

The Prescribed Amount of the Search Fee is \$275.00  
The Amount Paid by the Applicant is \$275.00

Thus the amount paid:

- is the prescribed amount.  
 represents an overpayment in the amount of \_\_\_\_\_  
 leaves a balance due in the amount of \_\_\_\_\_

WHERE A BALANCE IS DUE, THE APPLICANT IS HEREBY INVITED WITHIN ..... (MONTH) (DAYS) FROM THE DATE OF MAILING INDICATED ABOVE TO SUBMIT THE ADDITIONAL AMOUNT. <sup>(13)</sup>  
FAILURE TO DO SO SHALL RESULT IN THE INTERNATIONAL APPLICATION BEING CONSIDERED WITHDRAWN. <sup>(6)</sup>

III. INTERNATIONAL FEE. This fee is charged in connection with the tasks performed by the International Bureau. <sup>(4)</sup>

A. Basic Fee part of the International Fee: <sup>(7)</sup>

\$45 plus the number of sheets of the international application in excess of 30 \_\_\_\_\_ x \$1.00 per sheet

The Prescribed Amount of the Basic Fee part is \$45.00  
The Amount Paid by the Applicant is \$45.00

Thus the amount paid:

- is the prescribed amount.  
 represents an overpayment in the amount of \_\_\_\_\_  
 leaves a balance due in the amount of \_\_\_\_\_

WHERE A BALANCE IS DUE, THE APPLICANT IS HEREBY INVITED WITHIN ..... (MONTH) (DAYS) FROM THE DATE OF MAILING INDICATED ABOVE TO SUBMIT THE ADDITIONAL AMOUNT. <sup>(8)</sup>  
FAILURE TO DO SO SHALL RESULT IN THE INTERNATIONAL APPLICATION BEING CONSIDERED WITHDRAWN. <sup>(6)</sup>

B. Designation Fee part of the International Fee: <sup>(9)</sup>

Number of DESIGNATED STATES for which regional patents have not been sought 68 :

Number of these which require the furnishing under Article 13 of a copy of the international application 0 x \$14

Number of these which DO NOT require the Article 13 copy 68 x \$12 = \$816.00

(NOTIFICATION continued on following page)

NOTIFICATION CONCERNING PAYMENT OF TRANSMITTAL, SEARCH AND INTERNATIONAL FEE (Continued)

Number of GROUPS of designated States  
for which regional patents have been sought 1 :

Number of these which  
require the Article 13 copy 0 x \$14

Number of these which DO NOT  
require the Article 13 copy 1 x \$12 = 12.00

The Prescribed Amount of the Designation fee part is \$828.00

The Amount Paid by the Applicant is 828.00

Thus the amount paid:

- is the prescribed amount.
- represents an overpayment in the amount of \_\_\_\_\_
- leaves a balance due in the amount of \_\_\_\_\_

The amount paid covers the designation fee for those States due to the order specified or in which they have been designated in the request up to and including \_\_\_\_\_ (designated State).<sup>(10)</sup>

WHERE A BALANCE IS DUE, THE APPLICANT IS HEREBY INVITED WITHIN ONE YEAR FROM THE PRIORITY DATE TO SUBMIT THE ADDITIONAL AMOUNT. FAILURE TO PAY THE DESIGNATED FEE FOR AT LEAST ONE OF THE DESIGNATED STATES SHALL RESULT IN THE INTERNATIONAL APPLICATION BEING CONSIDERED WITHDRAWN.<sup>(11)</sup> PAYMENT OF THE DESIGNATION FEE FOR AT LEAST ONE OR MORE BUT LESS THAN ALL OF THE DESIGNATED STATES SHALL RESULT IN THE DESIGNATION OF THOSE STATES IN RESPECT OF WHICH FULL PAYMENT HAS NOT BEEN MADE BEING CONSIDERED WITHDRAWN.<sup>(12)</sup>

IV. TOTAL OF ALL THE ABOVE PRESCRIBED FEES AND PAYMENTS

The Total Amount for all fees is 1183.00

The Total Amount Paid by the Applicant is 1183.00

Thus the total amount paid:

- equals the total amount for all fees.
- represents an overpayment in the amount of \_\_\_\_\_  
Any overpayment will be refunded in due course.
- leaves a balance due in the amount of \_\_\_\_\_

Computation of any time limit indicated above starts on the day following the date of mailing of this notification. Within this time limit, payment of any balance due has to reach this Receiving Office.<sup>(14)</sup>

THE APPLICANT MAY PAY ANY BALANCE DUE BY /CHECK, POSTAL MONEY ORDER, BANK DRAFT, CASH, REVENUE STAMPS, DEBITING DEPOSIT ACCOUNT NO. ...., COUPONS ETC./ . PAYMENT SHOULD BE MADE IN / TO THE /ACCOUNT OF, ACCOUNT INDICATED BELOW OF, ORDER OF/ THE RECEIVING OFFICE.

THE RECEIVING OFFICE

ADDRESS ONLY  
Commissioner of Pats. & Tradm.  
c/o P.O. Box PCT ATTN:  
Washington, DC 20231 RO/US

Authorized Officer

*Maya Kuroski*

**PATENT COOPERATION TREATY**

TO

Mr. Roy Lebeaux  
Room 2-6D23-M  
2111 Jefferson Davis Hwy.  
Arlington, VA 20231

FROM

the RECEIVING OFFICE  
of the

U.S. Patent & Trademark Office  
NOTIFICATION OF THE INTERNATIONAL  
APPLICATION NUMBER AND OF THE  
INTERNATIONAL FILING DATE

Issued pursuant to PCT Rule 20.5(c)<sup>(2)</sup>

DATE OF MAILING by the Receiving Office

16 February 1976 (16.02.76)

Inscribe NAME and ADDRESS of the AGENT and if there  
is no agent, of the APPLICANT (1)

IDENTIFICATION OF THE INTERNATIONAL APPLICATION

International Application No.

PCT/US76/00001

International Filing Date

03.02.76

Applicant (Name)

Lebeaux, Roy

Title: Portable Heating Device

NOTIFICATION

The applicant is hereby notified that the above-identified international  
application has been accorded the international application number and  
the international filing date indicated.<sup>(2)</sup>

THE RECEIVING OFFICE

ADDRESS ONLY

Commissioner of Pats. & Trademks.  
c/o Box PCT  
Washington, DC 20231

ATTN:  
RO/US

Authorized Officer

*Mary E. Turowski*

**PATENT COOPERATION TREATY**

TO

Mr. Roy Lebeaux  
Room 2-6D23-M  
2111 Jefferson Davis Hwy.  
Arlington, VA 20231

FROM

the RECEIVING OFFICE  
of the  
U.S. Patent & Trademark Office  
INVITATION TO CORRECT DEFECTS IN  
THE INTERNATIONAL APPLICATION  
Issued pursuant to PCT Article 14(1)<sup>(2)</sup>

DATE OF MAILING by the Receiving Office

Inscribe NAME and ADDRESS of the AGENT and if there  
is no agent, of the APPLICANT<sup>(1)</sup>

16 February 1976 (16.02.76)

IDENTIFICATION OF THE INTERNATIONAL APPLICATION

International Application No.

PCT/US76/00001

International Filing Date

03.02.76

Applicant (Name)

Lebeaux, Roy

INVITATION

This Receiving Office has found the following defects in the above-identified international application:

As to signature,<sup>(3)</sup> the request part of the international application

- was not signed
- was not signed by all the applicants
- was signed by what appears to be a purported agent but the latter cannot be considered as an agent since the said request did not contain the appointment of an agent nor was the said request accompanied by a power of attorney appointing an agent
- other (specify)

As to indications concerning the applicant, the request part of the international application

- does not properly indicate his name<sup>(4)</sup> (specify)
- does not indicate his address<sup>(4)</sup>
- does not properly indicate his address<sup>(5)</sup> (specify)
- does not indicate his nationality<sup>(4)</sup> (6)
- does not indicate his residence<sup>(4)</sup> (7)
- other (specify)

(INVITATION continued on the following page)

## INVITATION (Continued)

The international application

- does not contain an indication of the title of the invention <sup>(8)</sup>

The international application

- does not contain an abstract <sup>(9)</sup>

As to the prescribed physical requirements of the international application <sup>(10)</sup>

- defects exist in the presentation of the text matter as specified in Annex A to the present invitation
- defects exist in the presentation of the drawings as specified in Annex B to the present invitation

THE APPLICANT IS HEREBY INVITED TO CORRECT THE INTERNATIONAL APPLICATION WITHIN A TIME LIMIT OF 1..... ~~DAYS~~ (MONTHS). <sup>(11)</sup> FAILURE TO DO SO SHALL RESULT IN THE INTERNATIONAL APPLICATION BEING CONSIDERED WITHDRAWN. <sup>(12)</sup>

This time limit counts from the date of mailing of the present invitation as indicated on the top of this page. Within the time limit the correction has to reach the undersigned Receiving Office.

Any correction offered to this Receiving Office may be stated in a letter provided that the correction is of such a nature that it can be transferred from the letter to the record copy without adversely affecting the clarity and the direct reproducibility of the sheet onto which the correction is to be transferred; otherwise, the applicant shall be required to submit a replacement sheet embodying the correction and the letter accompanying the replacement sheet shall draw attention to the differences between the replaced sheet and the replacement sheet.

## THE RECEIVING OFFICE

## ADDRESS ONLY

Commissioner of Pats. & Trademks.  
c/o Box PCT  
Washington, DC 20231

ATTN:  
RO/US

Authorized Officer

*May E. Turovski*

## PATENT COOPERATION TREATY

## ANNEX A

DEFECTS IN THE PRESENTATION OF THE TEXT MATTER  
OF THE INTERNATIONAL APPLICATION

The indicated elements of the international application do not comply with the requirements of Rule 11:

	I. Request	II. Description	III. Claims	IV. Abstract
(a) The sheets do not admit of direct reproduction <sup>(1)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) The element does not commence on a new sheet <sup>(2)</sup>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) Sheets are not free from creases, cracks, folds <sup>(3)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) Sheets are not used in the upright position <sup>(4)</sup>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) One side of the sheets is not left unused <sup>(5)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(f) The paper of the sheets is not flexible/strong/white/smooth/non shiny/durable <sup>(6)</sup>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(g) The sheets are not connected as prescribed <sup>(7)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(h) Sheets are not A4 size <sup>(8)</sup>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(i) The margins on the sheets are not as prescribed <sup>(9)</sup>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(j) The sheets are not properly numbered <sup>(10)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(k) The sheet numbers are not properly placed <sup>(11)</sup>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(l) The sheets are not typed or printed <sup>(12)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(m) The typing on the sheets is not 1½ spaced <sup>(13)</sup>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(n) The characters in the text matter on the sheets are not large enough <sup>(14)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(o) The text matter on the sheets is not in dark, indelible color <sup>(14)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(p) The element contains drawings <sup>(15)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(q) The sheets contain too many erasures <sup>(16)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(r) The sheets contain alterations/overwritings/interlineations <sup>(16)</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Further specification (where useful) of (some of) the defects referred to above

under (j): Continuation sheet of Request must precede signature sheet to validate information on continuation sheet,  
under (k): i.e., common representative

Every sheet except 1 and 12. Please authorize RO/US to  
Other observations by the Receiving Office: reposition the numbers.

**ANNEX B**

**DEFECTS IN THE DRAWINGS OF THE INTERNATIONAL APPLICATION**

The drawings of the international application do not comply with the requirements of Rule 11.

**I. In regard to the sheets containing drawings:**

- (a)  the sheets do not admit of direct reproduction<sup>(1)</sup>
- (b)  the sheets are not free from creases, cracks, folds<sup>(2)</sup>
- (c)  one side of the sheets is not left unused<sup>(3)</sup>
- (d)  the paper of the sheets is not flexible/strong/white/smooth/non-shiny/durable<sup>(4)</sup>
- (e)  the sheets are not connected as prescribed<sup>(5)</sup>
- (f)  the sheets are not A4 size<sup>(6)</sup>
- (g)  the margins on the sheets are not as prescribed<sup>(7)</sup>
- (h)  the sheets are not free from frames around usable surface<sup>(7)</sup>
- (i)  the sheets are not properly numbered<sup>(8)</sup>
- (j)  the sheets contain too many erasures<sup>(9)</sup>
- (k)  the sheets contain alterations/overwriting/interlineations<sup>(9)</sup>

**II. The drawings:**

- (a)  do not admit of direct reproduction<sup>(1)</sup>
- (b)  contain unnecessary text matter<sup>(10)</sup>
- (c)  contains words so placed as to prevent translation without interference with lines thereof<sup>(11)</sup>
- (d)  are not executed in proper color and uniformity<sup>(12)</sup>
- (e)  contain cross-sections not properly hatched<sup>(13)</sup>
- (f)  would not be properly distinguishable in reduced reproduction<sup>(14)</sup>
- (g)  contain scales not represented graphically<sup>(15)</sup>
- (h)  contain members, letters and reference lines lacking simplicity and clarity<sup>(16)</sup>
- (i)  contain lines drafted without the aid of drafting instruments<sup>(17)</sup>
- (j)  contain disproportionate elements of a figure not necessary for clarity<sup>(18)</sup>
- (k)  contain numbers and letters of height less than 0.32 cm.<sup>(19)</sup>
- (l)  contain letters not conforming to the Latin, and where customary, Greek alphabets<sup>(19)</sup>
- (m)  contain figures on two or more sheets which form a single complete figure but which are not able to be assembled without concealing parts thereof<sup>(20)</sup>
- (n)  contain figures which are not properly arranged and clearly separated<sup>(21)</sup>
- (o)  contain different figures not numbered in consecutive arabic numerals<sup>(22)</sup>
- (p)  contain different figures not numbered independent of the numbering of the sheets<sup>(22)</sup>
- (q)  are not restricted to reference signs mentioned in the description<sup>(23)</sup>
- (r)  contain the same feature denoted by different reference signs<sup>(24)</sup>

Further specification (where useful) of (some of) the defects referred to above

under (I)(a): Poor quality original will not reproduce. Please resubmit.

under (I)(i): Page number is outside margin. Please authorize RO/US to reposition the number.

Other observations by the Receiving Office:



PATENT COOPERATION TREATY

PCT/AAQ/VI/12

Annex/Annexe

page 34

FROM the RECEIVING OFFICE  
of the

U.S. Patent & Trademark Office

Mr. Roy Lebeaux  
Room 2-6D23-M  
2111 Jefferson Davis Hwy.  
Arlington, VA 20231

NOTICE OF LACK OF SIGNATURE

DATE OF MAILING by the  
Receiving Office

03 March 1976 (03.03.76)

IDENTIFICATION OF THE INTERNATIONAL APPLICATION

International Application No.

International Filing Date

PCT/US76/00001

03.02.76

Applicant (Name)

Lebeaux, Roy

Title: Portable Heating Device

NOTIFICATION

This Receiving Office acknowledges the receipt of papers purporting to be:  
corrections in response to form PCT/RO/106

Said papers were received on:

03 March 1976 (03.03.76)

However, the said papers were UNSIGNED; therefore, under PCT Rule 92.1(b),  
are considered not to have been submitted.

The said papers are herewith returned to you for signature and resubmission.

The applicant is reminded that there is a time limit of:

one month

currently running against the application. This time limit expires on:

16 March 1976 (16.03.76)

THE RECEIVING OFFICE

ADDRESS ONLY

Commissioner of Pat. & Trademarks  
c/o Box PCT ATTN:  
Washington, DC 20231 RO/US

Authorized Officer

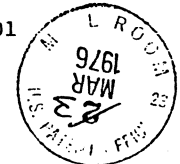
*Mary D. Turowski*

Room 2-6D23-M  
2111 Jefferson Davis Highway  
Arlington, VA 20231

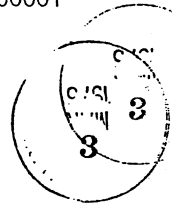
3 March 1976  
Room 2-6D23-M  
2111 Jefferson Davis Hwy.  
Arlington, Va. 20231

Applicant: Lebeaux, Roy  
International Application No.: PCT/US76/00001  
Filing Date: 02.03.75  
For: Portable Heating Device

Applicant: Lebeaux, Roy  
International Application No.: PCT/US76/00001  
Filing Date: 02.03.75  
For: Portable Heating Device



Commissioner of Patents and Trademarks  
c/o Box PCT  
Washington, D.C. 20231  
ATTN RO/US



Commissioner of Patents and Trademarks  
c/o Box PCT  
Washington, D.C. 20231  
ATTN RO/US

Dear Ms. Turowski:

AUTHORIZATION

Dear Ms. Turowski:

Here are the properly signed papers, as you requested in PCT/RO/130, mailed 3 March 1975. The applicant sincerely regrets any inconvenience his oversight may have caused the Receiving Office, and appreciates the prompt action on the part of the Receiving Office, leading to an early correction of his mistake.

Responsive to the invitation of forms PCT/RO/106, mailed 16 February 1976, the undersigned applicant hereby authorizes the Receiving Office to make the following corrections in his above-named application:

1. Interchange the order of the continuation sheet and the signature sheet in the Request, to comply with Rule 11.7(a), as referred to under (j) of form PCT/RO/106 Annex A; *RO/US 03 03 76*
2. Reposition the sheet numbers of the application, by crossing or otherwise deleting the original sheet numbers and inserting new ones, to comply with Rule 11.7(b), as referred to under (k) of form PCT/RO/106 Annex A; *RO/US 03 03 76*
3. Substitute for the one sheet containing drawings in the application, the enclosed darker duplicate sheet, to comply with Rule 11.2(a) as referred to under (II)(a) of PCT/RO/106 Annex B; and, *RO/US 03 03 76*
4. Insert the appropriate sheet number on the enclosed sheet in the correct position, to comply with Rule 11.7(a), as referred to under (II)(i) of PCT/RO/106 Annex B. *RO/US 03 03 76*

The applicant hopes the above corrections will put the application in the appropriate form. *MCT*

Respectfully Submitted,

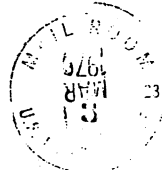
*Roy Lebeaux*

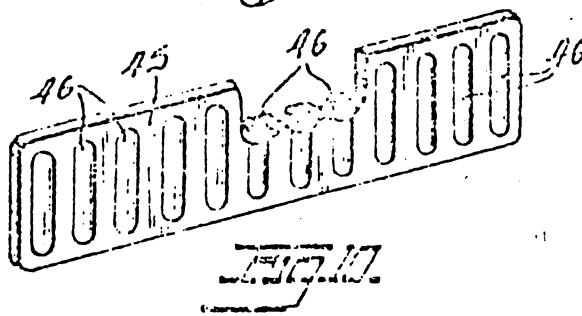
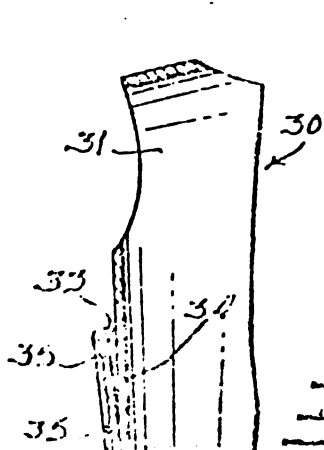
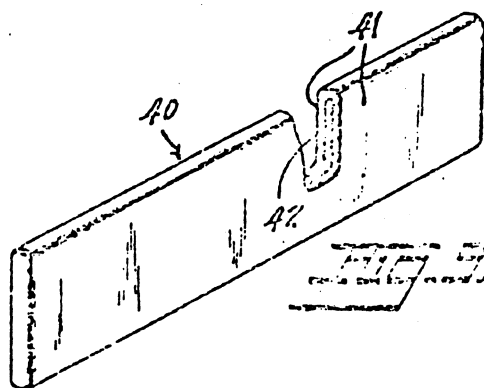
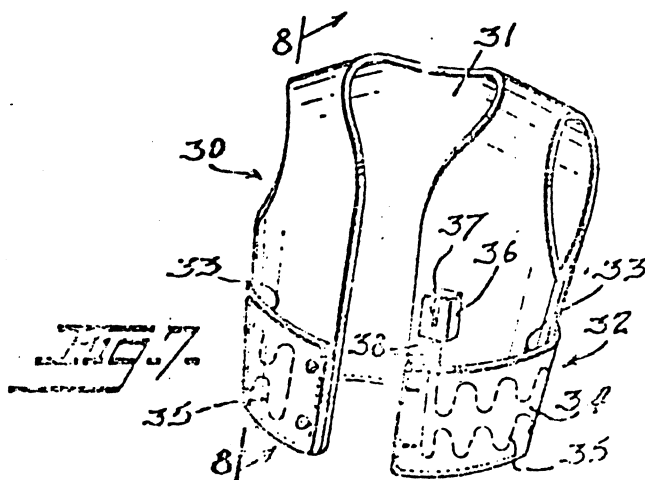
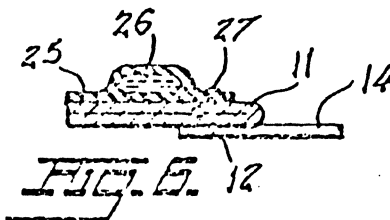
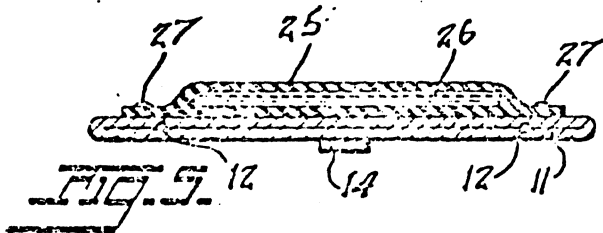
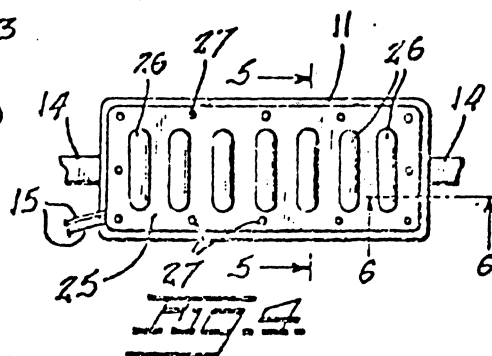
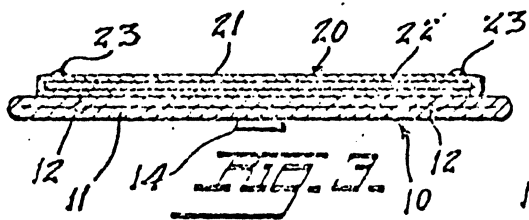
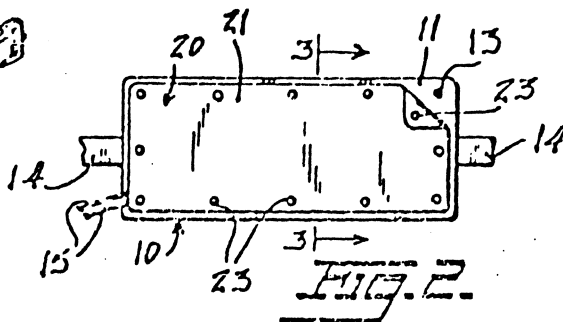
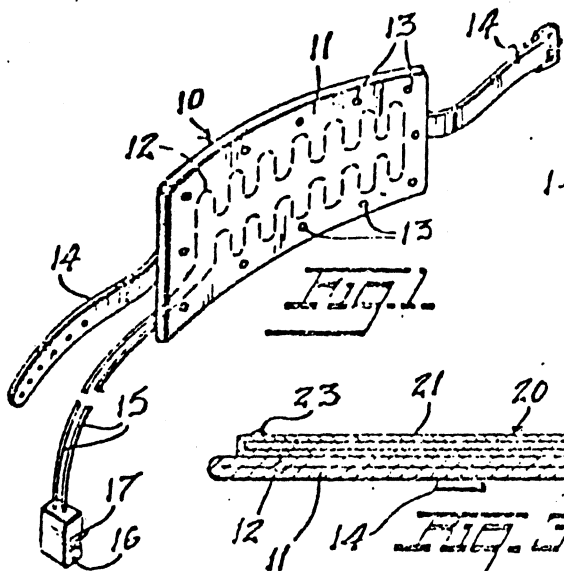
Roy Lebeaux  
(applicant)

Respectfully Submitted,

*Roy Lebeaux*

Roy Lebeaux  
(applicant)





PCT/AAQ/VI/12  
 Annex/Annexe  
 page 38  
**PATENT COOPERATION TREATY**  
**INTERNATIONAL SEARCH REPORT**

*Paper #12  
 Mailed  
 03.06.76*

IDENTIFICATION OF INTERNATIONAL APPLICATION	
International Application No. 1 <b>PCT/US 76/00001</b>	International Filing Date 1 <b>3 February 1976</b>
Receiving Office 1 <b>U.S. Patent &amp; Trade Mark Office</b>	Priority Date Claimed 1 <b>25 February 1975</b>
Applicant 1 <b>Lebeaux, Roy, et al</b>	

I. CLASSIFICATION OF SUBJECT MATTER (If several classification symbols apply, indicate all) 3
According to International Patent Classification (IPC) or to both National Classification and IPC <b>Nat'l. Classification (U.S.): 219/313; 128/379; 2/102</b> <b>IPC: F 24 H 1/18; A 61 N; A 41 D 1/04, respectively.</b>

II. FIELDS SEARCHED	
Minimum Documentation Searched 4	
Classification System	Classification Symbols
<b>US</b>	<b>Class 2, subs. 102, 247</b> <b>Class 128, subs. 379, 384, 391, 402</b> <b>Class 219, subs. 211, 313, 521, 527-529, 549</b> <b>Class 220, sub. 3.1</b>
Patent Documentation Searched other than Minimum Documentation 6	

III. TITLE, ABSTRACT AND FIGURE OF DRAWING
<p>1. The following indicated items are approved as submitted by the applicant: 4</p> <p><input type="checkbox"/> Title.</p> <p><input type="checkbox"/> Abstract.</p> <p>2. The texts established by this International Searching Authority of the following indicated items are set forth on a supplemental sheet: 6</p> <p><input type="checkbox"/> Title.</p> <p><input checked="" type="checkbox"/> Abstract.</p> <p>3. <input type="checkbox"/> This report is incomplete as far as the abstract is concerned as the time limit for comments by the applicant on the draft prepared by this International Searching Authority has not expired. 7</p> <p>4. The figure of the drawings indicated below is to be published with the abstract: 8</p> <p><input checked="" type="checkbox"/> Figure No. <u>7</u> as suggested by the applicant. 9</p> <p>Figure No. _____ because:</p> <p><input type="checkbox"/> applicant failed to suggest a figure. 10</p> <p><input type="checkbox"/> this figure better characterizes the invention. 10</p>

IV. <input checked="" type="checkbox"/> UNITY OF INVENTION IS LACKING 11 (Observations on supplemental sheet)
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V. <input checked="" type="checkbox"/> CERTAIN CLAIMS WERE FOUND UNSEARCHABLE 12 (Observations on supplemental sheet)
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This International Searching Authority has established the following text of the:

Title.

Abstract.

A portable device (10, 32) for controlling and/or retaining heat applied to the human body. The device is made of a heating pad (10, 32) having either an insulative pad (20) or a heat retainer (25) detachably secured thereto. A battery box (16, 36) having a switch (17, 37) thereon is attached to insulated wires (15, 38) of the heating pad for emanating controlled current from the battery box to the heating pad. A second embodiment employs a heating garment (30) including a vest (31) having a pocket (33) for securing the heating pad therein.

IV.  OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING <sup>11</sup>

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1. Additional fees were paid by the applicant. Consequently, the international search covers:

a.  all parts of the international application.

b.  those parts of the international application covered by claims Nos. \_\_\_\_\_

2.  The additional fees were paid under protest. Where requested by the applicant, the text of the protest together with the decision taken thereon are annexed to this report.

3.  No additional fees were timely paid by the applicant. Consequently, the international search is restricted to the invention first mentioned ("main invention") only; it is covered by claims Nos. \_\_\_\_\_

V.  OBSERVATIONS WHERE CERTAIN CLAIMS WERE FOUND UNSEARCHABLE <sup>13</sup>

This international search report has not been established in respect of claims Nos. 8 for the following reasons:

1.  Claims Nos. \_\_\_\_\_ because their subject matter <sup>13</sup> relates to \_\_\_\_\_

2.  Claims Nos. 8 because they do not comply with the prescribed requirements to such an extent that a meaningful search could be carried out <sup>14</sup> (specify)

**Claim "shall not rely" on "references to the description or drawings" as set forth in Rule 6.2(a).**

VI. DOCUMENTS CONSIDERED TO BE RELEVANT <sup>10</sup>			Page 4.
Category *	Citation of Document, with indication, where appropriate, of the relevant passages <sup>11</sup>	Relevant to Claim No. 10	
X	US, A, 1594053, published 1926, July 27	1	
X	US, A, 1997899, " 1935, April 16	1	
X	US, A, 2032294, " 1936, February 25	1	
X	US, A, 2294010, " 1942, August 25	1	
X	US, A, 2411677, " 1946, November 26	1	
X	US, A, 2467447, " 1949, April 19	1	
X	US, A, 3014117, " 1961, December 19	1	
X	US, A, 3644705, " 1972, February 22	2-6	
X	US, A, 2579383, " 1951, December 18	2,4,7	
	(see Col. 2, lines 50-54, Col. 3, lines 58-67)	58-67)	
X	US, A, 2869551, published 1959, January 20	2	
	(see Col. 1, line 55 et seq.)		
X	US, A, 1879341, published 1932, September 27	7	
G	US, A, 3105241, " 1963, October 1	7	
G	US, A, 2137085, " 1938, November 15	7	
	(see Fig. 5)		
X	US, A, 3178559, published 1965, April 13	5	
	(see Fig. 3, Col. 2, lines 9-30)		
X	US, A, 3748436, published 1973, July 24	3	
	(see Figs. 5&6, Col. 4, lines 43-48)		
G	US, A, 2339409, published 1944, January 18	3	
	(see Figs. 3&6, p. 3, Col. 1, lines 22-37)	22-37)	
G	GB, A, 537351, published 1941, June 18	3,4	
X	US, A, 2494987, " 1950, January 17	4	
G	US, A, 3501616, " 1970, March 17	2	
G	US, A, 2562121, " 1951, July 24	1	
	(see Col. 1, lines 30-37)		

\* Categories of cited documents: "X" (document of particular relevance); "O" (document referring to an oral disclosure, use, exhibition, or other means); "E" (earlier document but published later than the international filing date); "G" (document defining the general state of the art); "P" (document published prior to the international filing date but later than the priority date claimed).

VII. CERTIFICATION	
Date of the Actual Completion of the International Search *	Date of Mailing of this Search Report *
23 February 1976	3 June 1976
International Searching Authority <sup>1</sup> ISA/US, U.S. Patent & Tr. Mark Off.	Signature of Authorized Official <sup>2</sup> <i>Richard A. [Signature]</i>