

## SECTION A — HUMAN NECESSITIES

### A62 LIFE-SAVING; FIRE-FIGHTING

**A62C FIRE-FIGHTING** (fire-extinguishing compositions, use of chemical substances in extinguishing fires A62D 1/00; spraying, applying liquids or other fluent materials to surfaces in general B05; fire-fighting aircraft B64D 1/16; alarm arrangements G08B, e.g. fire alarms actuated by smoke or gases G08B 17/10)

#### Subclass index

FIRE PREVENTION OR CONTAINMENT; FIRE-EXTINGUISHING FOR PARTICULAR OBJECTS OR PLACES

Prevention or containment.....	2/00
Flame traps.....	4/00
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MAKING FIRE-EXTINGUISHING MATERIALS BEFORE USE.....	5/00
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PORTABLE EXTINGUISHERS	
According to operating principle.....	11/00, 13/00, 19/00, 25/00
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HOSE ACCESSORIES.....	33/00
STATIONARILY-INSTALLED EQUIPMENT.....	35/00
CONTROL OF FIRE-FIGHTING EQUIPMENT.....	37/00
OTHER METHODS, EQUIPMENT OR ACCESSORIES.....	99/00

- 2/00 Fire prevention or containment** (A62C 3/00 takes precedence; flame traps A62C 4/00) [1, 5, 2006.01]
- 2/04 • Removing or cutting-off the supply of inflammable material [1, 5, 2006.01]
- 2/06 • Physical fire-barriers [5, 2006.01]
- 2/08 • • Water curtains (nozzles A62C 31/02) [5, 2006.01]
- 2/10 • • Fire-proof curtains [5, 2006.01]
- 2/12 • • Hinged dampers [5, 2006.01]
- 2/14 • • • with two or more blades [5, 2006.01]
- 2/16 • • • • multi-vane roll or fold-up type [5, 2006.01]
- 2/18 • • Sliding dampers [5, 2006.01]
- 2/20 • • • at 90 degrees to the plane of the opening [5, 2006.01]
- 2/22 • • Fire-dampers with provision for the removal of an obstacle, e.g. rails or conveyors, before closing the opening [5, 2006.01]
- 2/24 • • Operating or controlling mechanisms [5, 2006.01]
- 3/00 Fire prevention, containment or extinguishing specially adapted for particular objects or places** (for nuclear reactors G21C 9/04) [1, 5, 2006.01]
- 3/02 • for area conflagrations, e.g. forest fires, subterranean fires [1, 5, 2006.01]
- 3/04 • for dust or loosely-baled or loosely-piled materials, e.g. in silos, in chimneys (flame traps A62C 4/00) [1, 5, 2006.01]
- 3/06 • of highly inflammable material, e.g. light metals, petroleum products [1, 5, 2006.01]

- 3/07 • in vehicles, e.g. in road vehicles [5, 2006.01]
- 3/08 • • in aircraft [1, 5, 2006.01]
- 3/10 • • in ships [1, 5, 2006.01]
- 3/16 • in electrical installations, e.g. cableways [1, 5, 2006.01]

**4/00 Flame traps allowing passage of gas but not of flame or explosion wave** [2, 2006.01]

- 4/02 • in gas-pipes (safety valves F16K 17/00) [2, 2006.01]
- 4/04 • in flues or chimneys [2, 2006.01]

**5/00 Making of fire-extinguishing materials immediately before use** (nozzles A62C 31/02) [1, 5, 2006.01]

- 5/02 • of foam [1, 5, 2006.01]
- 5/027 • • Heavy foam [5, 2006.01]
- 5/033 • of gel [5, 2006.01]

#### Hand fire-extinguishers [5]

**8/00 Hand tools or accessories specially adapted for fire-fighting, e.g. tool boxes** [5, 2006.01]

- 8/02 • Buckets or pails [5, 2006.01]
- 8/04 • Rakes or beaters [5, 2006.01]
- 8/06 • Fire-blankets [5, 2006.01]
- 8/08 • Shields [5, 2006.01]

**11/00 Portable extinguishers with manually-operated pumps** [1, 5, 2006.01]

<b>13/00</b>	<b>Portable extinguishers which are permanently pressurised or pressurised immediately before use</b> (A62C 11/00 takes precedence) [1, 5, 2006.01]	
13/02	• with pressure gas produced by chemicals [1, 2006.01]	
13/04	• • with separate acid container [1, 2006.01]	
13/06	• • • with acid container without closure device [1, 2006.01]	
13/08	• • • with acid container with closure device [1, 2006.01]	
13/10	• • • • with loose-lid closure device (loosely-engaging lids or covers for containers for liquids without means for effecting sealing of container in general B65D 51/02) [1, 2006.01]	
13/12	• • • • with valve closure device [1, 2006.01]	
13/14	• • • with acid container the shell of which is ruptured by pin, screw-pin, or similar device [1, 2006.01]	
13/16	• • • with movable acid container ruptured by falling when operated [1, 2006.01]	
13/18	• • • with acid container ruptured by a striking weight, e.g. by a falling weight [1, 2006.01]	
13/20	• • with the chemicals in a single case, e.g. in a cartridge [1, 2006.01]	
13/22	• • with incendiary substances producing pressure gas [1, 2006.01]	
13/62	• with a single permanently pressurised container [5, 2006.01]	
13/64	• • the extinguishing material being released by means of a valve [5, 2006.01]	
13/66	• with extinguishing material and pressure gas being stored in separate containers [5, 2006.01]	
13/68	• • characterised by means for releasing the extinguishing material [5, 2006.01]	
13/70	• • characterised by means for releasing the pressure gas [5, 2006.01]	
13/72	• • characterised by releasing means operating essentially simultaneously on both containers [5, 2006.01]	
13/74	• • • the pressure gas container being pierced or broken [5, 2006.01]	
13/76	• Details or accessories [5, 2006.01]	
13/78	• • Suspending or supporting devices [5, 2006.01]	
<b>15/00</b>	<b>Extinguishers essentially of the knapsack type</b> (knapsacks, carrying-frames, pack-frames carried on the body A45F 3/00) [1, 2006.01]	
<b>17/00</b>	<b>Hand fire-extinguishers essentially in the form of pistols or rifles</b> [1, 2006.01]	
<b>19/00</b>	<b>Hand fire-extinguishers in which the extinguishing substance is expelled by an explosion; Exploding containers thrown into the fire</b> [1, 2006.01]	
<b>25/00</b>	<b>Portable extinguishers with power-driven pumps</b> [1, 5, 2006.01]	
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<b>27/00</b>	<b>Fire-fighting land vehicles</b> (vehicle aspects, see the appropriate subclasses of classes B60-B62) [1, 2006.01]	
<b>29/00</b>	<b>Fire-fighting vessels or like floating structures</b> (shipbuilding or navigation aspects, see the appropriate subclasses of class B63) [1, 5, 2006.01]	
<b>31/00</b>	<b>Delivery of fire-extinguishing material</b> (pumps F04; hoses F16L) [1, 2006.01]	
31/02	• Nozzles specially adapted for fire-extinguishing [1, 5, 2006.01]	
31/03	• • adjustable, e.g. from spray to jet or <u>vice-versa</u> [5, 2006.01]	
31/05	• • with two or more outlets [5, 2006.01]	
31/07	• • • for different media [5, 2006.01]	
31/12	• • for delivering foam or atomized foam [1, 2006.01]	
31/22	• • specially adapted for piercing walls, heaped materials, or the like [1, 2006.01]	
31/24	• • attached to ladders, poles, towers, or other structures with or without rotary heads [1, 2006.01]	
31/28	• Accessories for delivery devices, e.g. supports [1, 2006.01]	
<b>33/00</b>	<b>Hose accessories</b> [1, 5, 2006.01]	
33/02	• Apparatus for cleaning or drying hoses (drying shelves F26B) [1, 2006.01]	
33/04	• Supports or clamps for fire hoses [1, 2006.01]	
33/06	• Hose or pipe bridges [1, 2006.01]	
<b>35/00</b>	<b>Permanently-installed equipment</b> (A62C 31/00, A62C 33/00, A62C 37/00 take precedence; for forming water curtains A62C 2/08) [1, 2006.01]	
35/02	• with containers for delivering the extinguishing substance (for forming water curtains A62C 2/08) [1, 2006.01]	
35/04	• • Swingable or tiltable containers [1, 2006.01]	
35/06	• • Containers destroyed or opened by falling [1, 5, 2006.01]	
35/08	• • Containers destroyed or opened by bursting charge [1, 5, 2006.01]	
35/10	• • Containers destroyed or opened by flames or heat [1, 5, 2006.01]	
35/11	• • controlled by a signal from the danger zone [5, 2006.01]	
35/13	• • • with a finite supply of extinguishing material [5, 2006.01]	
35/15	• • • with a system for topping-up the supply of extinguishing material automatically [5, 2006.01]	
35/20	• Hydrants, e.g. wall-hoses, wall units, plug-in cabinets (hydrants in streets E03B 9/02) [1, 5, 2006.01]	
35/58	• Pipe-line systems [5, 2006.01]	
35/60	• • wet, i.e. containing extinguishing material even when not in use [5, 2006.01]	
35/62	• • dry, i.e. empty of extinguishing material when not in use [5, 2006.01]	
35/64	• • pressurised [5, 2006.01]	
35/66	• • • Accelerators [5, 2006.01]	
35/68	• • Details, e.g. of pipes or valve systems (valves in general F16K) [5, 2006.01]	
<b>37/00</b>	<b>Control of fire-fighting equipment</b> (heat-sensitive devices G01K) [1, 5, 2006.01]	
37/08	• comprising an outlet device containing a sensor, or itself being the sensor, i.e. self-contained sprinklers [1, 5, 2006.01]	
37/09	• • telescopic or adjustable [5, 2006.01]	
37/10	• • Releasing means, e.g. electrically released [1, 5, 2006.01]	
37/11	• • • heat-sensitive [5, 2006.01]	
37/12	• • • • with fusible links [1, 5, 2006.01]	
37/14	• • • • with frangible vessels [1, 5, 2006.01]	
37/16	• • • • with thermally-expansible links [1, 5, 2006.01]	
37/20	• • Resetting after use; Tools therefor [1, 5, 2006.01]	

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| <p>37/21    • • • automatic [5, 2006.01]</p> <p>37/36    • an actuating signal being generated by a sensor<br/>separate from an outlet device [5, 2006.01]</p> <p>37/38    • • by both sensor and actuator, e.g. valve, being in<br/>the danger zone [5, 2006.01]</p> <p>37/40    • • • with electric connection between sensor and<br/>actuator [5, 2006.01]</p> <p>37/42    • • • with mechanical connection between sensor<br/>and actuator, e.g. rods, levers [5, 2006.01]</p> | <p>37/44    • • only the sensor being in the danger<br/>zone [5, 2006.01]</p> <p>37/46    • • Construction of the actuator [5, 2006.01]</p> <p>37/48    • • • Thermally sensitive initiators [5, 2006.01]</p> <p>37/50    • Testing or indicating devices for determining the state<br/>of readiness of the equipment [5, 2006.01]</p> <p><b>99/00    Subject matter not provided for in other groups of<br/>this subclass [2010.01]</b></p> |
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