

SECTION B – PERFORMING OPERATIONS; TRANSPORTING

<u>SEPARATING; MIXING</u>		B05C	Apparatus for applying liquids or other fluent materials to surfaces, in general	Error! Bookmark not defined.
		B05D	Processes for applying liquids or other fluent materials to surfaces, in general	Error! Bookmark not defined.
B01	PHYSICAL OR CHEMICAL PROCESSES OR APPARATUS IN GENERAL	Error! Bookmark not defined.		
B01B	Boiling; Boiling apparatus	Error! Bookmark not defined.		
B01D	Separation	Error! Bookmark not defined.		
B01F	Mixing, e.g. dissolving, emulsifying, dispersing	Error! Bookmark not defined.		
B01J	Chemical or physical processes, e.g. catalysis, colloid chemistry; Their relevant apparatus	Error! Bookmark not defined.		
B01L	Chemical or physical laboratory apparatus for general use	Error! Bookmark not defined.		
		B06	GENERATING OR TRANSMITTING MECHANICAL VIBRATIONS IN GENERAL	Error! Bookma
		B06B	Generating or transmitting mechanical vibrations in general	Error! Bookmark not defined.
		B07	SEPARATING SOLIDS FROM SOLIDS; SORTING	Error! Bookmark not defined.
B02	CRUSHING, PULVERISING, OR DISINTEGRATING; PREPARATORY TREATMENT OF GRAIN FOR MILLING	Error! Bookmark not defined.		
B02B	Preparing grain for milling; Refining granular fruit to commercial products by working the surface	Error! Bookmark not defined.		
B02C	Crushing, pulverising, or disintegrating in general; Milling grain	Error! Bookmark not defined.		
		B07B	Separating solids from solids by sieving, screening, or sifting or by using gas currents; Other separating by dry methods applicable to bulk material, e.g. loose articles fit to be handled like bulk material	Error! Bookmark not defined.
		B07C	Postal sorting; Sorting individual articles, or bulk material fit to be sorted piece-meal, e.g. by picking	Error! Bookr
		B08	CLEANING	Error! Bookmark not defined.
B03	SEPARATION OF SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS; MAGNETIC OR ELECTROSTATIC SEPARATION OF SOLID MATERIALS FROM SOLID MATERIALS OR FLUIDS; SEPARATION BY HIGH-VOLTAGE ELECTRIC FIELDS	Error! Bookmark not defined.		
		B08B	Cleaning in general; Prevention of fouling in general	Error! Bookmark not defined.
		B09	DISPOSAL OF SOLID WASTE; RECLAMATION OF CONTAMINATED SOIL	Error! Bookm
B03B	Separating solid materials using liquids or using pneumatic tables or jigs	Error! Bookmark not defined.		
B03C	Magnetic or electrostatic separation of solid materials from solid materials or fluids; Separation by high-voltage electric fields	Error! Bookmark not defined.		
B03D	Flotation; Differential sedimentation	Error! Bookmark not defined.		
		<u>SHAPING</u>		
B04	CENTRIFUGAL APPARATUS OR MACHINES FOR CARRYING-OUT PHYSICAL OR CHEMICAL PROCESSES	Error! Bookmark not defined.		
		B21	MECHANICAL METAL-WORKING WITHOUT ESSENTIALLY REMOVING MATERIAL; PUNCHING METAL	Error! Bookmark not defin
B04B	Centrifuges	Error! Bookmark not defined.		
B04C	Apparatus using free vortex flow, e.g. cyclones	Error! Bookmark not defined.		
		B21B	Rolling of metal	Error! Bookmark not defined.
		B21C	Manufacture of metal sheets, wire, rods, tubes or profiles, otherwise than by rolling; Auxiliary operations used in connection with metal-working without essentially removing material	Error! Bookmark not def
B05	SPRAYING OR ATOMISING IN GENERAL; APPLYING LIQUIDS OR OTHER FLUENT MATERIALS TO SURFACES, IN GENERAL	Error! Bookmark not defined.		
		B21D	Working or processing of sheet metal or metal tubes, rods or profiles without essentially removing material; Punching	Error! Bookmark not defined.
B05B	Spraying apparatus; Atomising apparatus; Nozzles	Error! Bookmark not defined.		

B21F	Working or processing of wire	Error! Bookmark not defined.	B25	HAND TOOLS; PORTABLE POWER-DRIVEN TOOLS; HANDLES FOR HAND IMPLEMENTS; WORKSHOP EQUIPMENT; MANIPULATORS	Error! Bookmark not defined.
B21G	Making needles, pins, or nails	Error! Bookmark not defined.			
B21H	Making particular metal objects by rolling, e.g. screws, wheels, rings, barrels, balls	Error! Bookmark not defined.			
B21J	Forging; Hammering; Pressing; Riveting; Forge furnaces	Error! Bookmark not defined.	B25B	Tools or bench devices not otherwise provided for, for fastening, connecting, disengaging, or holding	Error! Bookmark not defined.
B21K	Making forged or pressed products, e.g. horse-shoes, rivets, bolts, wheels	Error! Bookmark not defined.	B25C	Hand-held nailing or stapling tools; Manually-operated portable stapling tools	Error! Bookmark not defined.
B21L	Making chains	Error! Bookmark not defined.	B25D	Percussive tools	Error! Bookmark not defined.
			B25F	Combination or multi-purpose tools not otherwise provided for; Details or components of portable power-driven tools not particularly related to the operations performed and not otherwise provided for	Error! Bookmark not defined.
B22	CASTING; POWDER METALLURGY	Error! Bookmark not defined.	B25G	Handles for hand implements	Error! Bookmark not defined.
B22C	Foundry moulding	Error! Bookmark not defined.	B25H	Workshop equipment, e.g. for marking-out work; Storage means for workshops	Error! Bookmark not defined.
B22D	Casting of metals; Casting of other substances by the same processes or devices	Error! Bookmark not defined.	B25H	Manipulators; Chambers provided with manipulation devices	Error! Bookmark not defined.
B22F	Working metallic powder; Manufacture of articles from metallic powder; Making metallic powder	Error! Bookmark not defined.			
B23	MACHINE TOOLS; METAL-WORKING NOT OTHERWISE PROVIDED FOR	Error! Bookmark not defined.	B26	HAND CUTTING TOOLS; CUTTING; SEVERING	Error! Bookmark not defined.
B23B	Turning; Boring	Error! Bookmark not defined.	B26B	Hand-held cutting tools not otherwise provided for	Error! Bookmark not defined.
B23C	Milling	Error! Bookmark not defined.	B26D	Cutting; Details common to machines for severing, e.g. by cutting, perforating, punching, stamping-out	Error! Bookmark not defined.
B23D	Planing; Slotting; Shearing; Broaching; Sawing; Filing; Scraping; Like operations for working metal by removing material, not otherwise provided for	Error! Bookmark not defined.	B26F	Perforating; Punching; Cutting-out; Stamping-out; Severing by means other than cutting	Error! Bookmark not defined.
B23F	Making gears or toothed racks	Error! Bookmark not defined.			
B23G	Thread cutting; Working of screws, bolt heads, or nuts, in conjunction therewith	Error! Bookmark not defined.	B27	WORKING OR PRESERVING WOOD OR SIMILAR MATERIAL; NAILING OR STAPLING MACHINES IN GENERAL	Error! Bookmark not defined.
B23H	Working of metal by the action of a high concentration of electric current on a workpiece using an electrode which takes the place of a tool; Such working combined with other forms of working of metal	Error! Bookmark not defined.	B27B	Saws; Components or accessories therefor	Error! Bookmark not defined.
B23K	Soldering or unsoldering; Welding; Cladding or plating by soldering or welding; Cutting by applying heat locally, e.g. flame cutting; Working by laser beam	Error! Bookmark not defined.	B27C	Planing, drilling, milling, turning, or universal machines	Error! Bookmark not defined.
B23P	Other working of metal; Combined operations; Universal machine tools ..	Error! Bookmark not defined.	B27D	Working veneer or plywood	Error! Bookmark not defined.
B23Q	Details, components, or accessories for machine tools, e.g. arrangements for copying or controlling; Machine tools in general, characterised by the construction of particular details or components; Combinations or associations of metal-working machines, not directed to a particular result	Error! Bookmark not defined.	B27F	Dovetailed work; Tenons; Slotting machines; Nailing or stapling machines	Error! Bookmark not defined.
			B27G	Accessory machines or apparatus; Tools; Safety devices, e.g. for saws	Error! Bookmark not defined.
			B27H	Bending; Cooperage; Wheel-making	Error! Bookmark not defined.
			B27J	Mechanical working of cane, cork, or similar materials	Error! Bookmark not defined.
			B27K	Processes, apparatus or selection of substances for impregnating, staining, dyeing, bleaching of wood or similar materials, or treating of wood or similar materials with permeant liquids, not otherwise provided for; Chemical or physical treatment of cork, cane, reed, straw or similar materials	Error! Bookmark not defined.
B24	GRINDING; POLISHING	Error! Bookmark not defined.	B27L	Removing bark or vestiges of branches; Splitting wood; Manufacture of veneer, wooden sticks, wood shavings, wood fibres or wood powder	Error! Bookmark not defined.
B24B	Machines, devices, or processes for grinding or polishing; Dressing or conditioning of abrading surfaces; Feeding of grinding, polishing, or lapping agents	Error! Bookmark not defined.	B27M	Working of wood not provided for in subclasses B27B to B27L; Manufacture of specific wooden articles	Error! Bookmark not defined.
B24C	Abrasive or related blasting with particulate material	Error! Bookmark not defined.	B27N	Manufacture by dry processes of articles, with or without organic binding agents, made from particles or fibres consisting of wood or other lignocellulosic or like organic material	Error! Bookmark not defined.
B24D	Tools for grinding, buffing, or sharpening	Error! Bookmark not defined.			

B28	WORKING CEMENT, CLAY, OR STONE Error! Bookmark not defined.	B28	Processes for the manufacture or reproduction of printing surfaces..... Error! Bookmark not defined.
B28B	Shaping clay or other ceramic compositions, slag or mixtures containing cementitious material, e.g. plaster..... Error! Bookmark not defined.	B41D	Apparatus for the mechanical reproduction of printing surfaces for stereotype printing; Shaping elastic or deformable material to form printing surfaces Error! Bookmark not defined.
B28C	Preparing clay; Producing mixtures containing clay or cementitious material, e.g. plaster Error! Bookmark not defined.	B41E	Printing machines or presses Error! Bookmark not defined.
B28D	Working stone or stone-like materials Error! Bookmark not defined.	B41G	Apparatus for bronze printing, line printing, or for bordering or edging sheets or like articles; Auxiliary apparatus for perforating in conjunction with printing..... Error! Bookmark not defined.
B29	WORKING OF PLASTICS; WORKING OF SUBSTANCES IN A PLASTIC STATE IN GENERAL Error! Bookmark not defined.	B41J	Typewriters; Selective printing mechanisms, i.e. mechanisms printing otherwise than from a forme; Correction of typographical errors Error! Bookmark not defined.
B29B	Preparation or pretreatment of the material to be shaped; Making granules or preforms; Recovery of plastics or other constituents of waste material containing plastics..... Error! Bookmark not defined.	B41K	Stamps; Stamping or numbering apparatus or devices Error! Bookmark not defined.
B29C	Shaping or joining of plastics; Shaping of substances in a plastic state, in general; After-treatment of the shaped products, e.g. repairing Error! Bookmark not defined.	B41L	Apparatus or devices for manifolding, duplicating, or printing for office or other commercial purposes; Addressing machines or like series-printing machines Error! Bookmark not defined.
B29D	Producing particular articles from plastics or from substances in a plastic state Error! Bookmark not defined.	B41M	Printing, duplicating, marking, or copying processes; Colour printing Error! Bookmark not defined.
B29K	Indexing scheme associated with subclasses B29B, B29C Or B29D, relating to moulding materials or to materials for reinforcements, fillers or preformed parts, e.g. inserts Error! Bookmark not defined.	B41N	Printing plates or foils; Materials for surfaces used in printing machines for printing, inking, damping, or the like; Preparing such surfaces for use or conserving them..... Error! Bookmark not defined.
B29L	Indexing scheme associated with subclass B29C, relating to particular articles Error! Bookmark not defined.	B42	BOOKBINDING; ALBUMS; FILES; SPECIAL PRINTED MATTER Error! Bookmark not defined.
B30	PRESSES Error! Bookmark not defined.	B42B	Permanently attaching together sheets, quires, or signatures, or permanently attaching objects thereto Error! Bookmark not defined.
B30B	Presses in general; Presses not otherwise provided for Error! Bookmark not defined.	B42C	Bookbinding Error! Bookmark not defined.
B31	MAKING PAPER ARTICLES; WORKING PAPER Error! Bookmark not defined.	B42D	Books; Book covers; Loose leaves; Printed matter of special format or style not otherwise provided for; Devices for use therewith; Movable-strip writing or reading apparatus Error! Bookmark not defined.
B31B	Making boxes, cartons, envelopes, or bags Error! Bookmark not defined.	B42F	Sheets temporarily attached together; Filing appliances; File cards; Indexing Error! Bookmark not defined.
B31C	Making wound articles, e.g. wound tubes Error! Bookmark not defined.	B43	WRITING OR DRAWING IMPLEMENTS; BUREAU ACCESSORIES Error! Bookmark not defined.
B31D	Making other paper articles Error! Bookmark not defined.	B43K	Implements for writing or drawing Error! Bookmark not defined.
B31F	Mechanical working or deformation of paper or cardboard..... Error! Bookmark not defined.	B43L	Articles for writing or drawing upon; Accessories for writing or drawing Error! Bookmark not defined.
B32	LAYERED PRODUCTS ... Error! Bookmark not defined.	B43M	Bureau accessories not otherwise provided for Error! Bookmark not defined.
B32B	Layered products, i.e. products built-up of strata of flat or non-flat, e.g. cellular or honeycomb, form Error! Bookmark not defined.	B44	DECORATIVE ARTSError! Bookmark not defined.
<u>PRINTING</u>		B44B	Machines, apparatus, or tools for artistic work, e.g. for sculpturing, guilloching, carving, branding, inlaying..... Error! Bookmark not defined.
B41	PRINTING; LINING MACHINES; TYPEWRITERS; STAMPS Error! Bookmark not defined.	B44C	Producing decorative effects; Mosaics; Tarsia work; Paperhanging..... Error! Bookmark not defined.
B41B	Machines or accessories for making, setting, or distributing type; Type; Photographic or photoelectronic composing devices Error! Bookmark not defined.	B44D	Painting or artistic drawing, not otherwise provided for; Preserving paintings; Surface treatment to obtain special artistic surface effects or finishes..... Error! Bookmark not defined.
		B44F	Special designs or pictures Error! Bookmark not defined.

TRANSPORTING

B60 VEHICLES IN GENERALError! Bookmark not defined.

B60B Vehicle wheels; Castors; Axles; Increasing wheel
adhesion **Error! Bookmark not defined.**

B60C Vehicle tyres; Tyre inflation; Tyre changing;
Connecting valves to inflatable elastic bodies in
general; Devices or arrangements related to tyres**Error! Bookmark not defined.**

B60D Vehicle connections **Error! Bookmark not defined.**

B60F Vehicles for use both on rail and on road;
Amphibious or like vehicles; Convertible vehicles**Error! Bookmark not defined.**

B60G Vehicle suspension arrangements**Error! Bookmark not defined.**

B60H Arrangements or adaptations of heating, cooling,
ventilating, or other air-treating devices specially
for passenger or goods spaces of vehicles**Error! Bookmark not defined.**

B60J Windows, windscreens, non-fixed roofs, doors, or
similar devices for vehicles; Removable external
protective coverings specially adapted for vehicles**Error! Bookmark not defined.**

B60K Arrangement or mounting of propulsion units or of
transmissions in vehicles; Arrangement or
mounting of plural diverse prime-movers;
Auxiliary drives; Instrumentation or dashboards
for vehicles; Arrangements in connection with
cooling, air intake, gas exhaust, or fuel supply, of
propulsion units, in vehicles**Error! Bookmark not defined.**

B60L Electric equipment or propulsion of electrically-
propelled vehicles; Magnetic suspension or
levitation for vehicles; Electrodynamic brake
systems for vehicles, in general**Error! Bookmark not defined.**

B60M Power supply lines, or devices along rails, for
electrically-propelled vehicles**Error! Bookmark not defined.**

B60N Vehicle passenger accommodation not otherwise
provided for **Error! Bookmark not defined.**

B60P Vehicles adapted for load transportation or to
transport, to carry, or to comprise special loads or
objects **Error! Bookmark not defined.**

B60Q Arrangement of signalling or lighting devices, the
mounting or supporting thereof or circuits therefor,
for vehicles in general..... **Error! Bookmark not defined.**

B60R Vehicles, vehicle fittings, or vehicle parts, not
otherwise provided for **Error! Bookmark not defined.**

B60S Servicing, cleaning, repairing, supporting, lifting,
or manoeuvring of vehicles, not otherwise
provided for **Error! Bookmark not defined.**

B60T Vehicle brake control systems or parts thereof;
Brake control systems or parts thereof, in general;
Arrangement of braking elements on vehicles in
general; Portable devices for preventing unwanted
movement of vehicles; Vehicle modifications to
facilitate cooling of brakes**Error! Bookmark not defined.**

B60V Air-cushion vehicles **Error! Bookmark not defined.**

B60W Conjoint control of vehicle sub-units of different
type or different function; Control systems
specially adapted for hybrid vehicles; Road
vehicle drive control systems for purposes not
related to the control of a particular sub-unit**Error! Bookmark not defined.**

B61 RAILWAYS..... Error! Bookmark not defined.

B61B Railway systems; Equipment therefor not
otherwise provided for **Error! Bookmark not defined.**

B61C Locomotives; Motor railcars**Error! Bookmark not defined.**

B61D Body details or kinds of railway vehicles**Error! Bookmark not defined.**

B61F Rail vehicle suspensions, e.g. underframes, bogies,
arrangements of wheel axles; Rail vehicles for use
on tracks of different width; Preventing derailling;
Wheels guards; Obstruction removers or the like**Error! Bookmark not defined.**

B61G Couplings; Draught or buffing appliances**Error! Bookmark not defined.**

B61H Brakes or other retarding apparatus peculiar to rail
vehicles; Arrangements or dis-positions of brakes
or other retarding apparatus in rail vehicles**Error! Bookmark not defined.**

B61J Shifting or shunting of rail vehicles**Error! Bookmark not defined.**

B61K Other auxiliary equipment for railways**Error! Bookmark not defined.**

B61L Arranging railway traffic; Ensuring the safety of
railway traffic **Error! Bookmark not defined.**

B62 LAND VEHICLES FOR TRAVELLING OTHERWISE THAN ON RAILSError! Bookmark not defined.

B62A Hand-propelled vehicles, e.g. hand carts,
perambulators; Sledges **Error! Bookmark not defined.**

B62C Vehicles drawn by animals**Error! Bookmark not defined.**

B62D Motor vehicles; Trailers ... **Error! Bookmark not defined.**

B62H Cycle stands; Supports or holders for parking or
storing cycles; Appliances preventing or indicating
unauthorised use or theft of cycles; Locks integral
with cycles; Devices for learning to ride cycles**Error! Bookmark not defined.**

B62J Cycle saddles or seats; Accessories peculiar to
cycles and not otherwise provided for, e.g. article
carriers, cycle protectors .. **Error! Bookmark not defined.**

B62K Cycles; Cycle frames; Cycle steering devices;
Rider-operated terminal controls specially adapted
for cycles; Cycle axle suspensions; Cycle sidecars,
forecars, or the like **Error! Bookmark not defined.**

B62L Brakes specially adapted for cycles**Error! Bookmark not defined.**

B62M Rider propulsion of wheeled vehicles or sledges;
Powered propulsion of sledges or cycles;
Transmissions specially adapted for such vehicles**Error! Bookmark not defined.**

B63 SHIPS OR OTHER WATERBORNE VESSELS; RELATED EQUIPMENTError! Bookmark not defined.

B63B Ships or other waterborne vessels; Equipment for
shipping **Error! Bookmark not defined.**

B63C Launching, hauling-out, or dry-docking of vessels;
Life-saving in water; Equipment for dwelling or
working under water; Means for salvaging or
searching for underwater objects**Error! Bookmark not defined.**

B63G Offensive or defensive arrangements on vessels;
Mine-laying; Mine-sweeping; Submarines;
Aircraft carriers **Error! Bookmark not defined.**

B63H Marine propulsion or steering**Error! Bookmark not defined.**

B63J Auxiliaries on vessels..... **Error! Bookmark not defined.**

B64 AIRCRAFT; AVIATION; COSMONAUTICSError! Bookmark not defined.

B64B Lighter-than-air aircraft.... **Error! Bookmark not defined.**

B64C Aeroplanes; Helicopters ... **Error! Bookmark not defined.**

B64D Equipment for fitting in or to aircraft; Flying suits;
Parachutes; Arrangements or mounting of power
plants or propulsion transmissions**Error! Bookmark not defined.**

B64F	Ground or aircraft-carrier-deck installations	Error! Bookmark not defined.	B67D	Filling with liquids or semiliquids, or emptying, of bottles, jars, cans, casks, barrels, or similar containers, not otherwise provided for; Funnels	Error! Bookmark not defined.
B64G	Cosmonautics; Vehicles or equipment therefor	Error! Bookmark not defined.	B67D	Dispensing, delivering, or transferring liquids, not otherwise provided for.....	Error! Bookmark not defined.
B65	CONVEYING; PACKING; STORING; HANDLING THIN OR FILAMENTARY MATERIAL	Error! Bookmark not defined.	B68	SADDLERY; UPHOLSTERY	Error! Bookmark not defined.
B65B	Machines, apparatus or devices for, or methods of, packaging articles or materials; Unpacking	Error! Bookmark not defined.	B68B	Harness; Devices used in connection therewith; Whips or the like.....	Error! Bookmark not defined.
B65C	Labelling or tagging machines, apparatus, or processes.....	Error! Bookmark not defined.	B68C	Saddles; Stirrups	Error! Bookmark not defined.
B65D	Containers for storage or transport of articles or materials, e.g. bags, barrels, bottles, boxes, cans, cartons, crates, drums, jars, tanks, hoppers, forwarding containers; Accessories, closures, or fittings therefor; Packaging elements; Packages	Error! Bookmark not defined.	B68F	Making articles from leather, canvas, or the like	Error! Bookmark not defined.
B65F	Gathering or removal of domestic or like refuse	Error! Bookmark not defined.	B68G	Methods, equipment, or machines for use in upholstering; Upholstery not otherwise provided for.....	Error! Bookmark not defined.
B65G	Transport or storage devices, e.g. conveyers for loading or tipping; Shop conveyer systems; Pneumatic tube conveyers	Error! Bookmark not defined.	<u>MICRO-STRUCTURAL TECHNOLOGY; NANO-TECHNOLOGY</u>		
B65H	Handling thin or filamentary material, e.g. sheets, webs, cables.....	Error! Bookmark not defined.	B81	MICRO-STRUCTURAL TECHNOLOGY	Error! Bookmark not defined.
B66	HOISTING; LIFTING; HAULING	Error! Bookmark not defined.	B81B	Micro-structural devices or systems, e.g. micro-mechanical devices	Error! Bookmark not defined.
B66B	Elevators; Escalators or moving walkways	Error! Bookmark not defined.	B81C	Processes or apparatus specially adapted for the manufacture or treatment of micro-structural devices or systems	Error! Bookmark not defined.
B66C	Cranes; Load-engaging elements or devices for cranes, capstans, winches, or tackles	Error! Bookmark not defined.	B82	NANO-TECHNOLOGY	Error! Bookmark not defined.
B66D	Capstans; Winches; Tackles, e.g. pulley blocks; Hoists.....	Error! Bookmark not defined.	B82B	Nano-structures; Manufacture or treatment thereof	Error! Bookmark not defined.
B66F	Hoisting, lifting, hauling, or pushing, not otherwise provided for, e.g. devices which apply a lifting or pushing force directly to the surface of a load	Error! Bookmark not defined.	B99	SUBJECT MATTER NOT OTHERWISE PROVIDED FOR IN THIS SECTION	Error! Bookmark not defined.
B67	OPENING OR CLOSING BOTTLES, JARS OR SIMILAR CONTAINERS; LIQUID HANDLING	Error! Bookmark not defined.	B99Z	Subject matter not otherwise provided for in this section	Error! Bookmark not defined.
B67B	Applying closure members to bottles, jars, or similar containers; Opening closed containers	Error! Bookmark not defined.			