

A62 LIFE-SAVING; FIRE-FIGHTING (ladders E06C)

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; alarm arrangements G08B, e.g. fire alarms actuated by smoke or gases G08B 17/10)

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

- Prevention or containment..... 2/00
- Flame traps..... 4/00
- For particular objects or places 3/00

MAKING FIRE-EXTINGUISHING

MATERIALS BEFORE USE 5/00

HAND TOOLS OR ACCESSORIES 8/00

PORTABLE EXTINGUISHERS

- According to operating principle..... 11/00, 13/00,
19/00, 25/00
- Knapsack type..... 15/00

Pistol or rifle type..... 17/00

FIRE-FIGHTING VEHICLES

Land vehicles..... 27/00

Boats..... 29/00

DELIVERY OF FIRE-EXTINGUISHING

MATERIALS 31/00

HOSE ACCESSORIES 33/00

STATIONARILY-INSTALLED EQUIPMENT 35/00

CONTROL OF FIRE-FIGHTING

EQUIPMENT 37/00

OTHER METHODS, EQUIPMENT OR

ACCESSORIES..... 39/00

- 2/00 Fire prevention or containment** (A62C 3/00 takes precedence; flame traps A62C 4/00) [5]
- 2/04 . Removing or cutting-off the supply of inflammable material [5]
- 2/06 . Physical fire-barriers [5]
- 2/08 . . Water curtains (nozzles A62C 31/02) [5]
- 2/10 . . Fire-proof curtains [5]
- 2/12 . . Hinged dampers [5]
- 2/14 . . . with two or more blades [5]
- 2/16 . . . multi-vane roll or fold-up type [5]
- 2/18 . . Sliding dampers [5]
- 2/20 . . . at 90 degrees to the plane of the opening [5]
- 2/22 . . Fire-dampers with provision for the removal of an obstacle, e.g. rails, conveyers, before closing the opening [5]
- 2/24 . . Operating or controlling mechanisms [5]
- 3/00 Fire prevention, containment or extinguishing specially adapted for particular objects or places** (for nuclear reactors G21C 9/04) [5]
- 3/02 . for area conflagrations, e.g. forest fires, subterranean fires [5]
- 3/04 . for dust or loosely-baled or loosely-piled materials, e.g. in silos, in chimneys (flame traps A62C 4/00) [5]
- 3/06 . of highly inflammable material, e.g. light metals, petroleum products [5]
- 3/07 . in vehicles, e.g. in road vehicles [5]
- 3/08 . . in aircraft [5]
- 3/10 . . in ships [5]
- 3/16 . in electrical installations, e.g. cableways [5]
- 4/00 Flame traps allowing passage of gas but not of flame or explosion wave** [2]
- 4/02 . in gas-pipes (safety valves F16K 17/00) [2]
- 4/04 . in flues or chimneys [2]
- 5/00 Making of fire-extinguishing materials immediately before use** (nozzles A62C 31/02) [5]
- 5/02 . of foam [5]
- 5/027 . . Heavy foam [5]
- 5/033 . of gel [5]

Hand fire-extinguishers [5]

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

8/02 . Buckets or pails [5]

8/04 . Rakes or beaters [5]

8/06 . Fire-blankets [5]

8/08 . Shields [5]

11/00 Portable extinguishers with manually-operated pumps [5]

13/00 Portable extinguishers which are permanently pressurised or pressurised immediately before use (A62C 11/00 takes precedence) [5]

13/02 . with pressure gas produced by chemicals

13/04 . . with separate acid container

13/06 . . . with acid container without closure device

13/08 . . . with acid container with closure device

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)

13/12 with valve closure device

13/14 . . . with acid container the shell of which is ruptured by pin, screw-pin, or similar device

13/16 . . . with movable acid container ruptured by falling when operated

13/18 . . . with acid container ruptured by a striking weight, e.g. by a falling weight

13/20 . . with the chemicals in a single case, e.g. in a cartridge

13/22 . . with incendiary substances producing pressure gas

13/62 . with a single permanently pressurised container [5]

13/64 . . the extinguishing material being released by means of a valve [5]

13/66 . with extinguishing material and pressure gas being stored in separate containers [5]

13/68 . . characterised by means for releasing the extinguishing material [5]

13/70 . . characterised by means for releasing the pressure gas [5]

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- 13/72 . . . characterised by releasing means operating essentially simultaneously on both containers [5]
- 13/74 . . . the pressure gas container being pierced or broken [5]
- 13/76 . Details or accessories [5]
- 13/78 . . Suspending or supporting devices [5]
- 15/00 Extinguishers essentially of the knapsack type** (knapsacks, carrying-frames, pack-frames carried on the body A45F 3/00)
- 17/00 Hand fire-extinguishers essentially in the form of pistols or rifles**
- 19/00 Hand fire-extinguishers in which the extinguishing substance is expelled by an explosion; Exploding containers thrown into the fire**
- 25/00 Portable extinguishers with power-driven pumps [5]**

Fire-fighting vehicles (A62C 31/00, A62C 33/00, A62C 37/00 take precedence; vehicle aspects, see the appropriate subclasses of B60 B64, e.g. fire-fighting aircraft B64D 1/16) [5]

- 27/00 Fire-fighting land vehicles**
- 29/00 Fire-fighting vessels or like floating structures [5]**
- 31/00 Delivery of fire-extinguishing material** (pumps F04; hoses F16L)
 - 31/02 . Nozzles specially adapted for fire-extinguishing [5]
 - 31/03 . . adjustable, e.g. from spray to jet or vice-versa [5]
 - 31/05 . . with two or more outlets [5]
 - 31/07 . . . for different media [5]
 - 31/12 . . for delivering foam or atomized foam
 - 31/22 . . specially adapted for piercing walls, heaped materials, or the like
 - 31/24 . . attached to ladders, poles, towers, or other structures with or without rotary heads
 - 31/28 . Accessories for delivery devices, e.g. supports
- 33/00 Hose accessories [5]**
 - 33/02 . Apparatus for cleaning or drying hoses (drying shelves F26B)
 - 33/04 . Supports or clamps for fire hoses
 - 33/06 . Hose or pipe bridges

Permanently-installed equipment (A62C 31/00, A62C 33/00, A62C 37/00 take precedence) [5]

- 35/00 Permanently-installed equipment** (for forming water curtains A62C 2/08)
 - 35/02 . with containers for delivering the extinguishing substance (for forming water curtains A62C 2/08)
 - 35/04 . . Swingable or tiltable containers

- 35/06 . . Containers destroyed or opened by falling [5]
- 35/08 . . Containers destroyed or opened by bursting charge [5]
- 35/10 . . Containers destroyed or opened by flames or heat [5]
- 35/11 . . controlled by a signal from the danger zone [5]
- 35/13 . . . with a finite supply of extinguishing material [5]
- 35/15 . . . with a system for topping-up the supply of extinguishing material automatically [5]
- 35/20 . Hydrants, e.g. wall-hoses, wall units, plug-in cabinets (hydrants in streets E03B 9/02) [5]
- 35/58 . Pipe-line systems [5]
- 35/60 . . wet, i.e. containing extinguishing material even when not in use [5]
- 35/62 . . dry, i.e. empty of extinguishing material when not in use [5]
- 35/64 . . pressurised [5]
- 35/66 . . . Accelerators [5]
- 35/68 . . Details, e.g. of pipes or valve systems (valves in general F16K) [5]

37/00 Control of fire-fighting equipment (heat-sensitive devices G01K) [5]

- 37/08 . comprising an outlet device containing a sensor, or itself being the sensor, i.e. self-contained sprinklers [5]
- 37/09 . . telescopic or adjustable [5]
- 37/10 . . Releasing means, e.g. electrically released [5]
- 37/11 . . . heat-sensitive [5]
- 37/12 with fusible links [5]
- 37/14 with frangible vessels [5]
- 37/16 with thermally-expansible links [5]
- 37/20 . . Resetting after use; Tools therefor [5]
- 37/21 . . . automatic [5]
- 37/36 . an actuating signal being generated by a sensor separate from an outlet device [5]
- 37/38 . . by both sensor and actuator, e.g. valve, being in the danger zone [5]
- 37/40 . . . with electric connection between sensor and actuator [5]
- 37/42 . . . with mechanical connection between sensor and actuator, e.g. rods, levers [5]
- 37/44 . . only the sensor being in the danger zone [5]
- 37/46 . . Construction of the actuator [5]
- 37/48 . . . Thermally sensitive initiators [5]
- 37/50 . Testing or indicating devices for determining the state of readiness of the equipment [5]

39/00 Fire-fighting methods, equipment or accessories, not provided for in groups A62C 2/00 A62C 37/00