

61 Life saving and fire extinguishing

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- 61a Devices for fire rescue and for rescuing seemingly dead persons; fire extinguishing; breathing protection against chemical warfare agents, mechanical part**
- 61b Chemical defence and protection devices against chemical warfare agents; chemicals used in breathing apparatus; chemical fire extinguishing substances and processes**
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- 61a Devices for fire rescue and for rescuing seemingly dead persons; fire extinguishing; breathing protection against chemical warfare agents, mechanical part** (chemical part 61b; rescue from water 65b-21 – 65b-33)
- Fire rescue apparatus**
- 61a-1 Portable or mobile rescue ladders with fixed uprights; single element, folding, collapsible ladders; extension, erectable, pivoted ladders; latching hooks for extension ladders; devices preventing erectable and extension ladder tipping; ladders with elevator or rescue basket (ladders for building purposes 37e-2; for home use 34I-23; ship ladders 65a2-37; scaffold cars for electric railway operation 20k-19)
- 61a-2 Telescopic rescue ladders and scaffolds (ladders and scaffolds for building purposes 37e-6)
- 61a-3/01 Lazy tong type extension ladders and scaffolds (ladders and scaffolds for building purposes 37e-6; lazy tong type hoists 35d-6)
- 61a-3/02 Roll-up rescue ladders
- 61a-3/03 Mobile rescue elevators
- 61a-4 Rescue ladders with fixed uprights attached to buildings; rigidly fixed ladders collapsible or extensible ladders, pivoted ladders; ladders convertible to other purposes, e.g. as window grating, or furniture (stepladders 77a-13, 77a-27/00 – 77a-29/16; ship ladders 65a2-37)
- 61a-5 Roll-up rescue ladders attached to buildings (ship ladders 65a2-37)
- 61a-6 Rescue elevators, conveyors, chutes, and other rescue devices attached to buildings (building elevators 35a-4; building scaffolds 37e)
- Rescue devices for lowering persons or loads on ropes or chains (hoists 35c)
- 61a-8/01 Drum winches or rope pulleys with brakes (drum winches for hoists 35c-1)
- 61a-8/02 Sliding devices with brakes; "glide brakes"
- 61a-8/03 Safety belts (safety belts against drowning 65b-26 – 65b-33)
- 61a-8/04 Devices for roping people
- 61a-9 Tubular safety chutes, sliding sheets, sliding poles and ropes, life nets
- 61a-10/01 Protective shields, curtains, walls, and the like, against fire heat
- 61a-10/50 Other rescue devices
- Fire extinguishing** (fire extinguishing devices for film projectors 57a-52; for electrical generator 21d1-57; on board of ships 65a2-40, 65a2-41; extinguishing of borehole fires 5a-40; of mine fires 5d-9; fire signals 74a-30 – 74a-37; fire alarm boxes 74c-14 – 74c-23; fire protection devices in grinding mill machines 50b-7; for inflammable-fluid containers 81e-139)
- 61a-11/01 Fire extinguishing buckets, pails and other devices for spraying extinguishing substances by hand
- 61a-11/02 Fire extinguishers in the form of fragmentation grenades
- 61a-11/03 Fire extinguishers with hand pump
- 61a-11/04 Foam fire extinguishers with hand pump

- Hand fire extinguishers and mobile fire extinguishers, in which the liquid or dry extinguishing substance is forced out by gas pressure (gas sprayers for pest control 45k-4, 45k-7/00 – 45k-21/00)
- 61a-12/01 with chemicals generating gas pressure
 - 61a-12/02 with combustible materials generating gas pressure (composition of combustible material 78d)
 - 61a-12/03 with extinguishing substance constantly under gas pressure
 - 61a-12/04 with gas pressure storage containers
 - 61a-12/05 with extinguishing gas as extinguisher, e.g. carbon-dioxide snow extinguishers
 - 61a-12/06 with protectable extinguishing substance, e.g. fire extinguishing pistols, rifles, cannons
 - 61a-12/07 Hand foam extinguishers, mobile foam extinguishers
 - 61a-12/20 Gas pressure extinguishers, general
 - 61a-13 Devices for admixing fire extinguishing chemicals with extinguishing water, apart from foam extinguishing devices (nature of fire extinguishing chemicals and chemical fire extinguishing processes 61b)
- Fixed non-automatic fire extinguishing installations, apart from foam extinguishing installations
- 61a-14/01 with extinguishing liquid as extinguishing agent
 - 61a-14/02 with extinguishing gas as extinguishing agent, e.g. carbon-dioxide snow extinguishers
 - 61a-14/03 with extinguishing powder as extinguishing agent (nature of extinguishing powder 61b)
 - 61a-15/01 Fire engine with motor-driven pump (pump structures 59a, 59b; pump driven by vehicle engine 63c-4/01; vehicle structure 63a, 63c)
 - 61a-15/02 Fire extinguishing equipment mounted on vehicles
 - 61a-15/03 Reels and carriers for fire hoses, hose wagons (hose reels and hose wagons for sprinklers and garden hoses 45f-24, 81c-27)
 - 61a-15/04 Devices for cleaning and drying hoses
 - 61a-15/05 Hose holders, bridges, clamps, and other devices for fire hoses (hose holders and the like for sprinkling and garden hoses 45f-24, 81c-27; fire hoses, hose couplings 47f; hydrants 85d-12)
 - 61a-15/11 Foam sprayers with motor driven pump
 - 61a-16/01 Nozzles for fire extinguishing purposes (nozzles for garden hoses, fountains 85g-2, 85g-3, 45f-25)
 - 61a-16/02 Nozzles and pouring nozzles for foam extinguishers
 - 61a-16/03 Nozzles for snow-type extinguishing agents, e.g. snow nozzles for carbon-dioxide snow extinguishers
 - 61a-16/04 Nozzle holders
 - 61a-16/10 Other spraying devices for fire extinguishing purposes
 - 61a-17/01 Automatic fire extinguishing devices (automatic fire extinguishing installations for buildings 61a-18; automatic fire extinguishing devices for inflammable liquid containers 61a-21/20, 61a-21/21; fire signalling devices 74a-30 – 74a-37; fire alarm boxes 74c-14 – 74c-23)
 - 61a-17/02 Fire extinguishing devices for vehicles and aircraft (vehicle and aircraft fire extinguishing devices which affect the structure of the vehicle or aircraft or are affected thereby 63c-7, 62c-15/01)
- Automatic fire extinguishing installations for buildings (fire signalling devices 74a-30 – 74a-37)
- 61a-18/01 in which the sprinkler-nozzle network is filled with extinguishing liquid when in a state of readiness
 - 61a-18/02 in which the sprinkler-nozzle network is filled with air or gas under pressure when in a state of readiness
 - 61a-18/03 in which the sprinkler-nozzle network is connected with the outside air
 - 61a-18/04 Fire extinguishing sprinklers (irrigation sprinklers 45f-23, 45f-25/00)

- 61a-21/01 Processes and devices for the production of chemical foam for fire extinguishing purpose (for bathing purposes 30f-9; for froth flotation separation 1c; for building purposes 80a, 80b)
- 61a-21/02 Processes and devices for production of physical foam for fire extinguishing purposes
- 61a-21/20 Fire extinguishing devices for inflammable liquid containers, apart from foam extinguishing devices (fire protection devices for such containers 81e-139)
- 61a-21/21 Foam extinguishing devices for inflammable liquid containers
- 61a-22 Other devices for fire extinguishing purposes
- Respirators for protection against noxious admixtures in the air, e.g. poison gas, steam, fog, smoke dust; high-altitude breathing apparatus; renewal of breathing air in sealed rooms; special installations for the ventilation of gas shelters; protective devices against chemical warfare agents; devices for rescuing seemingly dead persons** (breathing devices for curative purposes, resuscitation devices 30k-12 – 30k-14; breathing devices for divers 65b-10; gas detecting devices for determining the presence of chemical warfare agents 42l-4)
- 61a-29/01 Oxygen breathing apparatus
- 61a-29/02 Filter breathing protection apparatus
- 61a-29/03 Hose-type breathing protection apparatus
- 61a-29/04 High-altitude breathing apparatus
- 61a-29/05 Individual components of breathing apparatus and high-altitude breathing apparatus, e.g. valves, couplings, carriers
- 61a-29/06 Devices for renewing air in hermetically sealed rooms (in aircraft and submarines, insofar as they influence the structure of the craft or are affected by same 62c-15/01 and 65a2-38 respectively)
- 61a-29/07 Special devices for the ventilation of gas shelters (ventilation of rooms, general 36d)
- 61a-29/08 Gas protection installations with individual breathing devices
- 61a-29/09 Gas protection containers with devices for the renewal of breathing air or for ventilation, particularly for infants and sick people (gas protection suits and covers 61a-29/12)
- 61a-29/10 Gas masks and masks for high-altitude breathing apparatus; goggles for gas protection (production of gas masks from non-vulcanised rubber materials 39a-10, 39a-11, 39a6-7/00; protective masks for physicians, welders 30d-27/02; goggles, general 30d-27/01)
- 61a-29/11 Breathing headgear and helmets, also hoods for high-altitude breathing devices (manufacture of hoods from non-vulcanised rubber materials 39a-10, 39a-11, 39a6-7/00; protective headgear for flyers 3b-7, 41c-1/06; for vehicle drivers 41c-2, 41c-1/06)
- 61a-29/12 Protective suits and covers against chemical warfare agents (composition of material of suits and covers 61b-1/01; protective suits for professions and sports 3b-7, 3b-13/00; bulletproof suits 72g-1/01; divers' suits 65b-8 – 65b-10; water life-saving suits 65b-27 – 65b-32)
- 61a-29/13 Elements of breathing masks, headgear and helmets, e.g. window fastening straps, valves, speech and signal devices (composition of material for windows and other transparent elements of breathing masks, headgear and helmets 61b-1/01; eyeglasses for goggles 30d-27/01, 42h-26 – 42h-31)
- 61a-29/14 Mouthpieces, nose filters and nose clips for breathing devices and high-altitude breathing devices (mouthpieces, nose clips for therapeutic purposes 30k-12 – 30k-14; for wind instruments 51c-24/02)
- 61a-29/15 Pressure regulation devices for pressure-resistant cabins of high flying aircraft or high-altitude flying suits
- 61a-29/20 Devices for binding carbon dioxide for breathing devices (composition of binding agent 61b-1/02)

- 61a-29/21 Devices for binding carbon dioxide by means of oxygen-generating substances for breathing devices (production of said substances 12i-16, 12i-15/00; composition of said substances 61b-1/02)
- 61a-29/22 Devices generating oxygen from chemical substances for breathing devices (processes 61b-1/02, 12i-14, 12i-13/02; production of said substances 12i-16, 12i-15/00; composition of said substances 61b-1/02, devices containing carbon-dioxide binding and oxygen-generating substances 61a-29/21)
- 61a-29/30 Filters for breathing devices and gas shelters (composition of filtering substances 61b-1/02; gas filters, general 12e-2, 12e-3, 26d-1/20)
- 61a-29/35 Devices for storing breathing devices and high-altitude breathing devices
- 61a-29/40 Processes and devices for testing breathing and high-altitude breathing devices (leak testers, general 42k-30 – 42k-31)
- 61a-29/50 Devices for decontaminating, and preventing the penetration of, chemical warfare agents, except breathing protection devices (processes and chemicals 61b-1/03; gas-proof doors, windows, window shutters 37d)
- 61a-30/01 Devices for rescuing seemingly dead persons laid out on a bear or buried
- 61a-30/02 Breathing devices for persons buried alive
- 61b Chemical defence and protection devices against chemical warfare agents; chemicals used in breathing apparatus; chemical fire extinguishing substances and processes (mechanical part 61a)**
- 61b-1/01 Compositions for protective covers against chemical warfare materials and for the transparent elements of breathing masks, hoods and helmets
- 61b-1/02 Compositions of chemical substances for breathing apparatus (production of oxygen-generating compounds, general 12i-16, 12i-15/00; processes for producing oxygen from chemicals, general 12i-14, 12i-13/02)
- 61b-1/03 Processes and chemicals for the decontamination of chemical warfare agents and poisonous substances (devices 45f-10, 45f-15/00; 61a, 62c-20/02, 65a2-72, 72g-7/04)
- 61b-2 Chemical fire extinguishing substances and processes (mechanical part 61a-11 – 61a-22)