

SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

F23 COMBUSTION APPARATUS; COMBUSTION PROCESSES

F23Q IGNITION (devices for igniting matches A24F; chemical igniters C06C 9/00); EXTINGUISHING DEVICES

Subclass index

IGNITERS

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LIGHTERS CONTAINING FUEL.....	2/00, 3/01, 7/00
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1/00	Mechanical ignition (lighters containing fuel F23Q 2/00; matches C06F)	2/42	• • Fuel containers; Closures for fuel containers
1/02	• using friction or shock effects	2/44	• • Wicks; Wick guides or fastenings
1/04	• • on a part moved by the fuel-controlling member, e.g. by a tap on a gas cooker	2/46	• • Friction wheels; Arrangement of friction wheels
1/06	• • Portable igniters	2/48	• • Flints (composition, manufacture C06C 15/00); Guides for, or arrangements of, flints
2/00	Lighters containing fuel, e.g. for cigarettes	2/50	• • Protecting coverings
2/02	• Lighters with liquid fuel	2/52	• • Filling devices
2/04	• • with cerium-iron alloy and wick	3/00	Ignition using electrically-produced sparks (lighters containing fuel F23Q 2/28; sparking-plugs H01T 13/00)
2/06	• • • with friction wheel	3/01	• Hand-held lighters, e.g. for cigarettes
2/08	• • • • with ignition by spring action of the cover	5/00	Make-and-break ignition, i.e. with spark generated between electrodes by breaking contact therebetween
2/10	• • • with other friction member	7/00	Incandescent ignition; Ignition using electrically-produced heat, e.g. lighters for cigarettes; Electrically-heated glowing plugs
2/12	• • with cerium-iron alloy without wick	7/02	• for igniting solid fuel
2/14	• • with cerium-iron alloy and torch ignited by striking or pushing	7/04	• • with fans for transfer of heat to fuel
2/16	• Lighters with gaseous fuel, e.g. the gas being stored in liquid phase	7/06	• Igniters structurally associated with fluid-fuel burners (lighters containing fuel F23Q 2/00)
2/167	• • with adjustable flame [3]	7/08	• • for evaporating and igniting liquid fuel, e.g. in hurricane lanterns
2/173	• • • Valves therefor [3]	7/10	• • for gaseous fuel, e.g. in welding appliances
2/18	• Lighters with solid fuel	7/12	• • • actuated by gas-controlling device
2/20	• • with cerium-iron alloy and friction wheel	7/14	• Portable igniters
2/22	• • with cerium-iron alloy and tinder	7/16	• • with built-in battery
2/24	• • with ignition pills or strips with inflammable parts	7/18	• • with built-in generator
2/26	• • combined with liquid-fuel lighters	7/20	• • with built-in mains transformer
2/28	• Lighters characterised by electrical ignition of the fuel	7/22	• Details
2/30	• Lighters characterised by catalytic ignition of fuel	7/24	• • Safety arrangements
2/32	• Lighters characterised by being combined with other objects (combinations with smokers' equipment A24F)	7/26	• • • Provision for re-ignition
2/34	• Component parts or accessories	9/00	Ignition by a pilot flame
2/36	• • Casings	9/02	• without interlock with main fuel supply
2/38	• • • with containers for flints or tools		
2/40	• • Cover fastenings		

F23Q

- 9/04 • • for upright burners, e.g. gas-cooker burners
- 9/06 • • for inverted burners, e.g. gas lamps
- 9/08 • with interlock with main fuel supply
- 9/10 • • to determine the sequence of supply of fuel to pilot and main burners
- 9/12 • • to permit the supply to the main burner in dependence upon existence of pilot flame
- 9/14 • • • using electric means, e.g. by light-sensitive elements

11/00 Arrangement of catalytic igniters

- 11/04 • at the burner
- 11/06 • remote from the burner, e.g. on the chimney of a lamp
- 11/08 • on a part moved by the fuel-controlling member
- 11/10 • • and moving out of the flame after ignition

13/00 Ignition not otherwise provided for

- 13/02 • using gas burners, e.g. gas pokers
- 13/04 • using portable burners, e.g. torches, fire pots

21/00 Devices for effecting ignition from a remote location

23/00 Testing of ignition installations (peculiar to internal-combustion engines F02P 17/00; testing of sparking plugs H01T 13/58)

- 23/02 • Testing of ignition timing
- 23/08 • Testing of components
- 23/10 • • electrically

25/00 Extinguishing devices, e.g. for blowing-out or snuffing candle flames