

Title (en)

Pyrophoric lighter

Title (de)

Pyrophorfeuerzeug

Title (fr)

Briquet à allumage pyrophorique

Publication

EP 1092924 A1 20010418 (FR)

Application

EP 00402795 A 20001010

Priority

FR 9912676 A 19991012

Abstract (en)

Cigarette lighter is fitted with blocking mechanism which stops rotation of knurled flint wheel (2) co-operating with knurled wheel drive (3). Blocking mechanism includes cover (14), for knurled wheel, having on its front part a plate (142) mounted so that it slides against inside of cap (5). Plate has on its rear part an edge (143) which can make contact with teeth of at least one of knurled wheel drives (3). The lighter has a body containing a liquefied gas reservoir, a lever (9) forming on its rear part a pusher (10), on which the user finger presses. The lever acts on a gas valve connected to a burner (8), a knurled wheel, and a flint (7). The knurled wheel is surrounded by drives (3) which together form the gas firing mechanism (23).

Abstract (fr)

Briquet comprenant un corps formant un réservoir de gaz liquéfié sous pression, un levier formant poussoir agissant sur une valve de passage du gaz, une molette, une pierre à briquet, en contact avec la molette, la molette étant entourée de part et d'autre par des entraîneurs, un cache couvrant partiellement la molette. Le cache molette (14) est monté sur le levier (9) et assure le blocage de la molette par pénétration de son bord arrière (143) entre les dents (30) d'au moins un entraîneur (3). <IMAGE>

IPC 1-7

F23Q 2/16; **F23Q 2/46**

IPC 8 full level

F23Q 2/16 (2006.01); **F23Q 2/46** (2006.01)

CPC (source: EP US)

F23Q 2/164 (2013.01 - EP US); **F23Q 2/46** (2013.01 - EP US)

Citation (search report)

- [A] US 5676537 A 19971014 - FANG MING [US]
- [A] US 5957680 A 19990928 - DOUCET MICHEL J M [FR], et al

Cited by

US6764300B2; WO0165183A1; EP1624248B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1092924 A1 20010418; **EP 1092924 B1 20041229**; AT E286230 T1 20050115; CA 2323699 A1 20010412; CA 2323699 C 20091229; DE 60017048 D1 20050203; DE 60017048 T2 20050922; ES 2233309 T3 20050616; FR 2799531 A1 20010413; FR 2799531 B1 20020208; US 6612831 B1 20030902

DOCDB simple family (application)

EP 00402795 A 20001010; AT 00402795 T 20001010; CA 2323699 A 20001011; DE 60017048 T 20001010; ES 00402795 T 20001010; FR 9912676 A 19991012; US 68688700 A 20001012