

Title (en)
Safety lighter with striking wheel assembly

Title (de)
Sicherheitsfeuerzeug mit Reibradeinheit

Title (fr)
Briquet de sécurité avec ensemble molette de friction

Publication
EP 1826489 A1 20070829 (EN)

Application
EP 06010340 A 20060519

Priority
CN 200620055328 U 20060222

Abstract (en)
The safety lighter is composed of shell (10), windshield (1), air valve assembly, spring (8), flint (7), lever (3) and striking fire wheel (2). The striking fire wheel (2) is composed of fixed wheel (4), middle wheel (6) and slide wheel (5). Both ends of the fixed wheel (4) are installed on the shell (10) with shaft. The middle wheel (6) and the slide wheel (5) are installed on the fixed wheel (4). The diameter of the slide wheel (5) is larger than that of the fixed wheel. There is a difference in height between the slide wheel and the fixed wheel. The slide wheel (5) can rotate freely on the fixed wheel (4). The practical new skid type safety lighter has simple structure, convenient installation and high safety. By utilizing the feature that the thumb of an adult is larger than that of a child skillfully, it forms a safety role by preventing children from playing with fire.

IPC 8 full level
F23Q 2/16 (2006.01); **F23Q 2/46** (2006.01)

CPC (source: EP)
F23Q 2/161 (2013.01); **F23Q 2/164** (2013.01); **F23Q 2/46** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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