

Title (en)
WINDPROOF LIGHTER WITH FLINT IGNITER

Title (de)
FEUERZEUG MIT WINDGESCHÜTZTER FLAMME UND FEUERSTEINZÜNDER

Title (fr)
BRIQUET A L'EPREUVE DU VENT DOTE D'UN DISPOSITIF D'ALLUMAGE A SILEX

Publication
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Application
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- CN 01254775 U 20011119
- CN 02110656 A 20020122
- CN 02137527 A 20021018

Abstract (en)
[origin: WO03044432A1] This invention uses a kind of windproof lighter with a flint igniter combined with inflammable gas stored in liquidness as fuel. A windproof lighter with flint igniter and comprises: a housing with support frame, a fuel container with at least one outlet valve, an outlet control lever acting on the fuel container's outlet valve, a gas diverting passage on outlet valve, a windproof assembly composed of at least one filter, at least one quick flow nozzle, a gas mixing chamber, at least one diverting nozzle and a combustion chamber, and an igniter lighting up gas in the combustion chamber; characterized in that the igniter is placed on one of the following: a flint ignition structure at a combustion chamber's side, between the combustion chamber and the flint ignition structure, a candle flame outlet on one side of flint ignition structure; a second gas diverting passage is on outlet valve, the second gas diverting passage is connected to the candle flame outlet; the flint ignition structure includes at least one ignition wheel with coarse edge, a flint generating spark after friction with the ignition wheel and a spring pressing flint's sparking end close to igniting wheel; the flint's sparking end is lower than one of the following: a combustion outlet, a support end; a diameter of a central mini-pore of the quick flow nozzle is between 0.05-0.15mm.

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F23Q 2/16

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Citation (search report)

- [E] US 6537062 B1 20030325 - WONG CHI LAM [US], et al
- [A] GB 2260602 A 19930421 - KOHGA PRESS KOGYO CO LTD [JP]
- See references of WO 03044432A1

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