

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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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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IPC 8 full level

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