

Title (en)

A MAGNETIC DEVICE FOR DISSOCIATION OF MOLECULES OF A COMBUSTIBLE SUBSTANCE IN THE LIQUID STATE AND A MAGNETIC SYSTEM FOR TREATING A COMBUSTIBLE SUBSTANCE IN THE LIQUID STATE

Title (de)

EINE MAGNET-VORRICHTUNG ZUR DISOZIATION VON MOLEKÜLEN EINES BRENNBAREN STOFFES IM FLÜSSIGEN ZUSTAND UND EIN MAGNETSYSTEM ZUR BEHANDLUNG EINES BRENNBAREN STOFFES IM FLÜSSIGEN ZUSTAND

Title (fr)

DISPOSITIF MAGNÉTIQUE POUR LA DISSOCIATION DE MOLÉCULES D'UNE SUBSTANCE COMBUSTIBLE À L'ÉTAT LIQUIDE ET SYSTÈME MAGNÉTIQUE POUR LE TRAITEMENT D'UNE SUBSTANCE COMBUSTIBLE À L'ÉTAT LIQUIDE

Publication

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Application

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Priority

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Abstract (en)

A magnetic device (1) for dissociation of molecules of a combustible substance in the liquid state, comprising: a first container (2) which is made of an amagnetic material; a second container (3) which is made of an amagnetic material; the first container (2) and the second container (3) being arranged facing one another; a crossing channel (4) to be crossed by a combustible substance in the liquid state; a first permanent magnet (5) and a second permanent magnet (6) which are arranged in the first chamber (2a) flanked to one another; a third permanent magnet (7) and a fourth permanent magnet (8) which are arranged in the second chamber (3a) flanked to one another; a first separating element (9) which is made of an amagnetic material and which is interposed between the first permanent magnet (5) and the second permanent magnet (6) in order to separate them one from the other; a second separating element (10) which is made of an amagnetic material and which is interposed between the third permanent magnet (7) and the fourth permanent magnet (8) in order to separate them one from the other. The first permanent magnet (5) with the third permanent magnet (7) and the second permanent magnet (6) with the fourth permanent magnet (8), having a magnetic induction value comprised between 0.42 and 0.60 Tesla, are arranged facing one another in such a way as to generate, respectively, a magnetic field having field lines directed in a first direction (X1) which is perpendicular to the flow of the combustible substance in the liquid state in the crossing channel (4) and a magnetic field having field lines directed in a second direction (X2) which is opposite the first direction (X1).

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CPC (source: EP)

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- [A] DE 9410122 U1 19940922 - OLSEN SVEN [DE]
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Designated contracting state (EPC)

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