

Title (en)
METHOD FOR GENERATING THERMAL ENERGY FROM FINE-GRAINED OLEAGINOUS FRUITS, PREFERABLY FROM RAPE AND A DEVICE FOR CARRYING OUT SAID METHOD

Title (de)
VERFAHREN ZUM ERZEUGEN THERMISCHER ENERGIE AUS KLEINKÖRNIGEN ÖLFRÜCHTEN, VORZUGSWEISE AUS RAPS, UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)
PROCEDE DE PRODUCTION D'ENERGIE THERMIQUE A PARTIR DE FRUITS OLEAGINEUX DE FAIBLE GRANULOMETRIE, DE PREFERENCE A PARTIR DE COLZA, ET DISPOSITIF DE MISE EN OEUVRE DE CE PROCEDE

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Application
EP 00965620 A 20001002

Priority
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Abstract (en)
[origin: WO0125688A1] The invention aims to utilise fine-grained oleaginous fruits, preferably rapeseed, without prior processing of said seeds, for example, by expressing the oil. To this end, the invention proposes a device, in which a pressure of at least 2 bar is maintained in the combustion space (2) of a combustion chamber. An oil or gas burner (8) is provided in said combustion space, which is used to preheat said space (2) to an approximate temperature of at least 1000 DEG C, so that the first of the grains which are fed into the combustion space (2) via a feed line (3) ignite, if the required combustion air is supplied using a combustion air supply line (6). The grains which are supplied via the feed line combust in an explosive manner by chain reaction, if the required quantity of combustion air is supplied in controlled doses and the necessary pressure is maintained in the combustion space. The flame which is produced escapes via a flame exit opening (9) and can be exploited for thermal use.

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F23B 7/00; F23G 7/10

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