

Title (en)

METHOD AND DEVICE FOR THE THERMOCHEMICAL CONVERSION OF A FUEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR THERMOCHEMISCHEN UMSETZUNG EINES BRENNSTOFFS

Title (fr)

PROCEDE ET DISPOSITIF DE TRANSFORMATION THERMOCHIMIQUE D'UN COMBUSTIBLE

Publication

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Application

EP 06706461 A 20060128

Priority

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Abstract (en)

[origin: WO2006084590A1] The invention relates to a method for the thermochemical conversion of a fuel, comprising the following steps: a) provision of a fluidised-bed reactor with a central first combustion zone (1) and a second combustion zone (7) that is separated from the first by flow conduction means (2, 15), the first combustion zone (1) being provided with a supply opening (16) for supplying fuel and a unit (3), which lies opposite the supply opening (16) on the floor (B) of the fluidised bed reactor, for deviating a stream of fuel into the second combustion zone (7); b) feeding of fuel through the supply opening (16), so that a stream of fuel forms that is directed towards the floor (B); c) deviation of the stream of fuel on the floor (B) into the second combustion zone (7), so that the stream of fuel is guided in an essentially opposite direction; and d) additional deviation of the stream of fuel in the vicinity of the supply opening (16), causing the stream of fuel to be returned to the first combustion zone.

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