

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.

IPC 8 full level

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