

Title (en)

STEPWISE METHOD FOR CONTINUOUSLY PRODUCING A COMBUSTIBLE MATERIAL BY EXPLOSIVE DECOMPRESSION

Title (de)

STUFENWEISES VERFAHREN ZUR KONTINUIERLICHEN HERSTELLUNG EINES BRENNBAREN MATERIALS DURCH DEKOMPRESSION DURCH EXPLOSIVSTOFFE

Title (fr)

PROCEDE DE FABRICATION EN CONTINU D'UNE MATIERE COMBUSTIBLE PAR DECOMPRESSION EXPLOSIVE S'OPERANT PAR PALIERS

Publication

**EP 4347749 A1 20240410 (FR)**

Application

**EP 22723701 A 20220511**

Priority

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- EP 2022062840 W 20220511

Abstract (en)

[origin: WO2022248233A1] The invention relates to a method for continuously producing a combustible material from biomass, comprising: - continuously exposing the biomass introduced into a reactor to the water vapour at a pressure of between 15.3 and 22.9 bars for a sufficient amount of time to cause steam cracking; - continuously extracting, from the reactor, a portion of the biomass contained in the reactor. According to the invention, such a method comprises: - transferring the biomass extracted from the reactor in a conduit to separation means, wherein the vapour pressure is between 7 and 8 bars; - a step of separating a portion of the vapour extracted from the reactor to include the biomass and to exclude the biomass; - a step of reducing the pressure of the biomass separated from the vapour portion to atmospheric pressure.

IPC 8 full level

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Citation (search report)

See references of WO 2022248233A1

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