

Title (en)

PROCESS FOR CONVERTING BIOMASS TO COAL-LIKE MATERIAL USING HYDROTHERMAL CARBONISATION

Title (de)

VERFAHREN ZUR UMWANDLUNG VON BIOMASSE IN KOHLEARTIGES MATERIAL MITTELS HYDROTHERMALER CARBONISIERUNG

Title (fr)

PROCÉDÉ DE CONVERSION DE BIOMASSE EN MATÉRIAU DE TYPE CHARBON, AU MOYEN D'UNE CARBONISATION HYDROTHERMALE

Publication

**EP 2274405 A1 20110119 (EN)**

Application

**EP 09733412 A 20090417**

Priority

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Abstract (en)

[origin: WO2009127727A1] The present invention relates to a hydro thermal carbonization process for the preparation of coal-like material using biomass. The process comprises a step (i) of heating a reaction mixture comprising water and biomass to obtain a reaction mixture comprising activated biomass; and a step (ii) of adding a polymerization initiator to the reaction mixture obtained in step (i) to polymerize the activated biomass and to obtain a reaction mixture comprising coal-like material. The process is beneficial in terms of product control, and process engineering.

IPC 8 full level

**C10L 5/44** (2006.01); **C10B 53/02** (2006.01); **C10L 9/00** (2006.01); **C10L 9/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009127727A1

Citation (examination)

WO 2008081407 A2 20080710 - SCHWEIGER MARTIN [SG], et al

Citation (third parties)

Third party :

WO 2008081407 A2 20080710 - SCHWEIGER MARTIN [SG], et al

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DOCDB simple family (publication)

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DOCDB simple family (application)

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