

Title (en)

APPARATUS AND PROCESS FOR TORREFACTION OF LIGNO-CELLULOSIC BIOMASSES AND MIXTURES WITH LIQUIDS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR TORREFIZIERUNG VON LIGNOZELLULOSE-BIOMASSEN UND MISCHUNGEN MIT FLÜSSIGKEITEN

Title (fr)

APPAREIL ET PROCÉDÉ DE TORRÉFACTION DE BIOMASSES LIGNOCELLULOSIQUES ET MÉLANGES AVEC DES LIQUIDES

Publication

EP 2675873 A1 20131225 (EN)

Application

EP 12711445 A 20120125

Priority

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- IB 2012000286 W 20120125

Abstract (en)

[origin: WO2012101518A1] A method and apparatus for treating a biomass material to produce a torrefied fuel comprising the steps of preheating the biomass material with a hot liquid flowing counter to the direction of travel of the biomass material at a temperature up to 200° C, superheating the preheated biomass material with a liquid flowing counter-current to the direction of travel of the biomass material to a temperature ranging up to 300° C for a period sufficient to obtain full torrefaction of the biomass material, and cooling the torrefied biomass material with liquid flowing counter to the direction of travel of the torrefied biomass material.

IPC 8 full level

C10L 5/44 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2012101518A1

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