

Title (en)

SOLID FUEL MANUFACTURING METHOD AND MANUFACTURING DEVICE

Title (de)

FESTBRENNSTOFFHERSTELLUNGSVERFAHREN UND -HERSTELLUNGSVORRICHTUNG

Title (fr)

PROCÉDÉ DE FABRICATION ET DISPOSITIF DE FABRICATION DE COMBUSTIBLE SOLIDE

Publication

**EP 3012313 A1 20160427 (EN)**

Application

**EP 14813034 A 20140402**

Priority

- JP 2013128778 A 20130619
- JP 2014059767 W 20140402

Abstract (en)

A drying step is executed in a stable state regardless of the increase or decrease in the conveyance amount of porous coal. A disclosed method includes: a mixing step of mixing porous coal with a mixture oil containing solvent oil and heavy oil, to obtain material slurry; an evaporation step of heating the material slurry to promote dehydration of porous coal and impregnating the mixture oil into pores of porous coal, to obtain dehydrated slurry; a solid-liquid separation step of separating upgraded porous coal and the mixture oil from the dehydrated slurry; and the drying step of drying the upgraded porous coal by heating and conveying it while supplying carrier gas. The method includes: setting a target value of the circulation amount of carrier gas and a target value of the pressure of carrier gas at the drying step; calculating control outputs, based on deviations between the target values and measured values corresponding respectively thereto; and adjusting the supply amount of carrier gas, based on a smaller value between the control outputs obtained.

IPC 8 full level

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CPC (source: EP RU US)

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Cited by

CN111550979A; CN110849104A

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3012313 A1 20160427**; **EP 3012313 A4 20170301**; AU 2014282553 A1 20160107; AU 2014282553 B2 20160714; CN 105308160 A 20160203; CN 105308160 B 20171114; JP 2015003956 A 20150108; JP 6023665 B2 20161109; RU 2015154278 A 20170724; RU 2629935 C2 20170905; US 2016122675 A1 20160505; WO 2014203591 A1 20141224

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