

Title (en)

COOKING APPARATUS AND PROCESS FOR TREATING BIOMASS CONTAINING LIGNOCELLULOSE

Title (de)

GARGERÄT UND VERFAHREN ZUR BEHANDLUNG VON LIGNOCELLULOSEHALTIGER BIOMASSE

Title (fr)

APPAREIL DE CUISSON ET PROCÉDÉ DE TRAITEMENT DE BIOMASSE CONTENANT DE LA LIGNOCELLULOSE

Publication

**EP 3851576 A1 20210721 (EN)**

Application

**EP 21151129 A 20210112**

Priority

FI 20205036 A 20200115

Abstract (en)

A cooking apparatus for treating biomass containing lignocellulose, comprises one or more cooking reactors (100, 100') adapted to cook biomass in a cooking chemical which includes formic acid and acetic acid. A heating arrangement (106) is adapted to adjust heat energy transfer to each cooking reactor (100, 100') by adjusting the temperature of the cooking chemical as a function of time and by feeding the temperature-adjusted cooking chemical into each cooking reactor (100, 100').

IPC 8 full level

**D21C 1/04** (2006.01); **D21C 3/04** (2006.01); **D21C 3/22** (2006.01); **D21C 5/00** (2006.01); **D21C 7/06** (2006.01); **D21C 7/14** (2006.01)

CPC (source: EP FI RU)

**D21C 1/04** (2013.01 - EP RU); **D21C 3/04** (2013.01 - EP RU); **D21C 3/20** (2013.01 - FI); **D21C 3/22** (2013.01 - EP RU); **D21C 5/00** (2013.01 - EP); **D21C 7/06** (2013.01 - EP); **D21C 7/10** (2013.01 - FI); **D21C 7/14** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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**EP 3851576 A1 20210721**; FI 129440 B 20220228; FI 20205036 A1 20210716; FI 20205036 A 20210716; RU 2769389 C1 20220331

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