

Title (en)

ENERGY RECOVERY FROM MOTHER LIQUID IN PARAXYLENE CRYSTALLIZATION PROCESS

Title (de)

ENERGIERÜCKGEWINNUNG AUS EINER URSPRUNGSFLÜSSIGKEIT IN EINEM PARAXYLEN-KRISTALLISATIONSVERFAHREN

Title (fr)

RÉCUPÉRATION D'ÉNERGIE À PARTIR D'UNE SOLUTION MÈRE DANS LE CADRE D'UN PROCESSUS DE CRISTALLISATION DU PARAXYLÈNE

Publication

EP 2686096 A4 20140910 (EN)

Application

EP 12760638 A 20120319

Priority

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- US 2012029621 W 20120319

Abstract (en)

[origin: US2012234516A1] Methods for recovering energy from a mother liquor stream in paraxylene crystallization processes are disclosed herein. The low temperature energy from the mother liquor is optimally utilized to reduce the refrigeration burden on the crystallization process.

IPC 8 full level

B01J 8/00 (2006.01); **B01D 9/00** (2006.01); **C07C 7/14** (2006.01); **C07C 15/08** (2006.01)

CPC (source: EP KR RU US)

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Citation (search report)

- [X] US 2827503 A 19580318 - KENNEL WILLIAM E, et al
- [X] US 2795634 A 19570611 - HOFF MELVERN C, et al
- [I] GB 1493489 A 19771130 - STANDARD OIL CO
- [A] GB 1080360 A 19670823 - ICI LTD
- See references of WO 2012129155A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2012234516 A1 20120920; BR 112013023933 A2 20161213; CN 103596670 A 20140219; CN 111454117 A 20200728; CN 111454117 A8 20201002; EP 2686096 A1 20140122; EP 2686096 A4 20140910; JP 2014523797 A 20140918; KR 101984770 B1 20190531; KR 20140016335 A 20140207; RU 2013144438 A 20150427; RU 2604225 C2 20161210; TW 201240966 A 20121016; WO 2012129155 A1 20120927

DOCDB simple family (application)

US 201213423507 A 20120319; BR 112013023933 A 20120319; CN 201280014294 A 20120319; CN 202010186803 A 20120319; EP 12760638 A 20120319; JP 2013558231 A 20120319; KR 20137027183 A 20120319; RU 2013144438 A 20120319; TW 101109178 A 20120316; US 2012029621 W 20120319