

Title (en)

METHOD FOR THERMAL SEPARATION OF A VOLATILE SUBSTANCE FROM A NON- OR LESS VOLATILE SUBSTRATE

Title (de)

VERFAHREN ZUR THERMISCHEN TRENNUNG EINER FLÜCHTIGEN SUBSTANZ VON EINEM NICHT ODER WENIGER FLÜCHTIGEN SUBSTRAT

Title (fr)

PROCÉDÉ DE SÉPARATION THERMIQUE D'UNE SUBSTANCE VOLATILE D'UN SUBSTRAT NON OU MOINS VOLATIL

Publication

**EP 2763766 A1 20140813 (DE)**

Application

**EP 12783136 A 20121005**

Priority

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- EP 2012069784 W 20121005

Abstract (en)

[origin: WO2013050568A1] In a method for the thermal separation of a volatile substance from a non- or less volatile substrate having a phase boundary towards a gas chamber that receives the volatile substance subsequent to vaporisation and/or sublimation, mechanical energy is supplied to the phase boundary between the substrate and the gas chamber to increase the material exchange of the volatile substance. In the process, the material exchange is increased by the addition of an additive or mechanical energy to the surface of the phase transition in such manner that said supplied mechanical energy destroys bubbles containing the volatile substrate, so that the volatile substrate can escape to the gas chamber.

IPC 8 full level

**B01D 1/22** (2006.01); **B01D 1/24** (2006.01); **B01D 19/00** (2006.01); **B29B 7/00** (2006.01); **B29C 48/10** (2019.01); **C08F 6/00** (2006.01); **C08F 6/10** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2013050568A1

Citation (examination)

- US 4158092 A 19790612 - BOTSCH FRANZ [DE], et al
- US 2003154859 A1 20030821 - SIMONARU MASASI [JP], et al
- US 3683511 A 19720815 - JOHNSON CHARLES R, et al

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DOCDB simple family (publication)

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