

Title (en)

Process for producing gas clathrates

Title (de)

Verfahren zur Erzeugung von Gasclathraten

Title (fr)

Procédé de production de clathrates de gaz

Publication

EP 1652906 B1 20081231 (DE)

Application

EP 05023230 A 20051025

Priority

DE 102004053627 A 20041101

Abstract (en)

[origin: EP1652906A1] Reaction gas for forming gas clathrate is introduced in purified, compressed form and in measured amounts into a reaction vessel (5). When clathrate ice is formed in a transportation line (12) connected to the discharge side of the vessel, a cutting device (11) removes the ice from the line. The line transports the clathrate into a storage container (14).

IPC 8 full level

C10L 3/06 (2006.01); **C10L 3/10** (2006.01); **F17C 11/00** (2006.01); **F25C 1/00** (2006.01)

CPC (source: EP US)

C10L 3/06 (2013.01 - EP US); **C10L 3/108** (2013.01 - EP US); **F17C 11/007** (2013.01 - EP US); **F25C 1/00** (2013.01 - EP US); **F25C 5/00** (2013.01 - EP US); **F25B 2315/003** (2013.01 - EP US)

Citation (examination)

- US 4347707 A 19820907 - ZEMELMAN VALERY B, et al
- US 6653516 B1 20031125 - YOSHIKAWA KOZO [JP], et al
- CH 679222 A5 19920115 - SULZER AG

Cited by

EP2434002A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1652906 A1 20060503; **EP 1652906 B1 20081231**; AT E419321 T1 20090115; DE 102004053627 A1 20060504; DE 502005006365 D1 20090212; DK 1652906 T3 20090414; ES 2320237 T3 20090520; US 7863491 B1 20110104; WO 2006048197 A2 20060511

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EP 05023230 A 20051025; AT 05023230 T 20051025; DE 102004053627 A 20041101; DE 502005006365 T 20051025; DK 05023230 T 20051025; EP 2005011576 W 20051028; ES 05023230 T 20051025; US 66674505 A 20051028