

Title (en)

Process and installation for the transfert of a liquid.

Title (de)

Verfahren und Apparat zum Überführen einer Flüssigkeit.

Title (fr)

Procédé et installation de transfert de liquide.

Publication

EP 0567360 A1 19931027 (FR)

Application

EP 93400745 A 19930323

Priority

FR 9203500 A 19920324

Abstract (en)

A small delivery of a volume reduction (lightening) gas is injected into a liquid riser pipe (6, 9, 11, 12), downstream of the pressure reduction valve (7, 10, 13) fitted to this pipe. Application to double air distillation columns of the type with packing. <IMAGE>

IPC 1-7

F25J 3/04; **F17C 6/00**

IPC 8 full level

F17C 6/00 (2006.01); **F17C 9/00** (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP US)

F17C 6/00 (2013.01 - EP US); **F17C 9/00** (2013.01 - EP US); **F25J 3/0423** (2013.01 - EP US); **F25J 3/04412** (2013.01 - EP US); **F25J 3/04678** (2013.01 - EP US); **F25J 3/04793** (2013.01 - EP US); **F17C 2270/0509** (2013.01 - EP US); **F25J 2235/06** (2013.01 - EP US); **F25J 2245/40** (2013.01 - EP US); **F25J 2245/42** (2013.01 - EP US); **Y10S 62/913** (2013.01 - EP US)

Citation (search report)

- [A] FR 2320512 A1 19770304 - LINDE AG [DE]
- [A] US 3059440 A 19621023 - LOPORTO JOHN J
- [A] NUCLEAR INSTRUMENTS AND METHODS vol. 66, 1968, AMSTERDAM pages 304 - 308 C.M.FLECK & W.NIEDERST[TTER 'A CRYOSTAT FOR Ge(Li)-DETECTORS WITH INTERNAL LIQUID CIRCULATION AND A SWIVELLING COLD FINGER'

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EP1052465A1; FR2853405A1; FR2853406A1

Designated contracting state (EPC)

DE ES FR GB IT NL SE

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FR 2689223 A1 19931001; **FR 2689223 B1 19940506**; CA 2092139 A1 19930925; CA 2092139 C 20040504; CN 1076775 A 19930929; CN 1078946 C 20020206; DE 69302619 D1 19960620; DE 69302619 T2 19960926; EP 0567360 A1 19931027; EP 0567360 B1 19960515; EP 0567360 B2 20020612; ES 2086895 T3 19960701; ES 2086895 T5 20021216; JP H0618162 A 19940125; US 5337569 A 19940816

DOCDB simple family (application)

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