

Title (en)
Cryogenic treatment installation, particularly for the distillation of air

Title (de)
Kryogenische Behandlungsanlage, insbesondere für die Lufttrennung

Title (fr)
Installation de traitement cryogénique, notamment de distillation d'air

Publication
EP 0588690 B1 19970528 (FR)

Application
EP 93402179 A 19930908

Priority
FR 9211051 A 19920916

Abstract (en)
[origin: EP0588690A1] In this installation, the treatment column (1) is insulated by a vacuum casing (15), while the heat exchange line (3) is insulated by a cold box (19) at atmospheric pressure containing a solid insulant, in particular in particle form. <IMAGE>

IPC 1-7
F25J 3/04

IPC 8 full level
F25J 3/00 (2006.01); **F17C 13/00** (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP US)
F17C 13/001 (2013.01 - EP US); **F25J 3/04084** (2013.01 - EP US); **F25J 3/0409** (2013.01 - EP US); **F25J 3/04236** (2013.01 - EP US); **F25J 3/04296** (2013.01 - EP US); **F25J 3/04303** (2013.01 - EP US); **F25J 3/04393** (2013.01 - EP US); **F25J 3/04412** (2013.01 - EP US); **F25J 3/04672** (2013.01 - EP US); **F25J 3/0489** (2013.01 - EP US); **F25J 3/04945** (2013.01 - EP US); **F17C 2221/011** (2013.01 - EP US); **F17C 2221/014** (2013.01 - EP US); **F17C 2225/0161** (2013.01 - EP US); **F17C 2225/033** (2013.01 - EP US); **F17C 2227/0135** (2013.01 - EP US); **F17C 2227/0362** (2013.01 - EP US); **F17C 2260/033** (2013.01 - EP US); **Y10S 62/905** (2013.01 - EP US); **Y10S 62/907** (2013.01 - EP US)

Citation (examination)
• EP 0538857 A1 19930428 - LINDE AG [DE]
• H. Hausen, H. Linde, Tieftemperaturtechnik, Springer Verlag, 1985, pages 490 à 495

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EP0611218B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0588690 A1 19940323; **EP 0588690 B1 19970528**; CA 2106106 A1 19940317; CN 1072351 C 20011003; CN 1085312 A 19940413; CZ 192293 A3 19940615; CZ 283688 B6 19980617; DE 69311040 D1 19970703; DE 69311040 T2 19971211; FR 2695714 A1 19940318; FR 2695714 B1 19941028; JP 3436394 B2 20030811; JP H06194035 A 19940715; US 5412954 A 19950509

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