

Title (en)

Plate heat exchanger for air separation device

Title (de)

Plattenwärmetauscher für Luftzerlegungsvorrichtung

Title (fr)

Echangeur de chaleur à plaques pour un appareil de séparation d'air

Publication

EP 1008828 A1 20000614 (FR)

Application

EP 99403009 A 19991202

Priority

FR 9815423 A 19981207

Abstract (en)

External sheets (7) and/or semi-cylindrical heads and/or a liquid inlet or outlet chamber are in stainless steel, nickel or an alloy containing 80% of nickel. Preferred Features: The air separation apparatus contains at least one heat exchanger. It is the main exchanger cooling air down to the temperature of distillation. The heat exchanger is a supercooler. A first column supplied with air is connected thermally to a second column by means of a heat exchanger as described.

Abstract (fr)

Un échangeur comprend plusieurs plaques (8) en cuivre, nickel ou un alliage de ces métaux séparés par des ondes d'échange (6) et deux tôles extérieures (7). Les tôles extérieures et/ou une chambre d'entrée ou de sortie de fluide et/ou une tête semi-cylindrique sont en acier inoxydable ou éventuellement en nickel.

IPC 1-7

F28F 21/08; F28D 9/00; F25J 3/00

IPC 8 full level

F25J 3/00 (2006.01); **F25J 3/04** (2006.01); **F28D 9/00** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP)

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F28F 2250/108 (2013.01)

Citation (search report)

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