

Title (en)

Air distillation process and plant for producing at least a high pressure gaseous product and at least a liquid

Title (de)

Lufttrennungsverfahren und Anlage zur Herstellung von wenigstens einem Druckgasprodukt und von wenigstens einer Flüssigkeit

Title (fr)

Procédé et installation de production d'au moins un produit gazeux sous pression et d'au moins un liquide par distillation d'air

Publication

EP 0606027 B1 19961009 (FR)

Application

EP 93402907 A 19931201

Priority

FR 9300035 A 19930105

Abstract (en)

[origin: EP0606027A1] In this method, a single distillation column (9) fitted with a nitrogen refrigeration cycle is used. Liquid oxygen and/or liquid nitrogen coming from the tank of the column are pumped (14, 15) to a high production pressure and are vaporised by condensation of supercompressed air. Simultaneously, liquid oxygen and/or liquid nitrogen are produced. The installation may include a column (10) for production of impure argon, coupled to the single column. <IMAGE>

IPC 1-7

F25J 3/04

IPC 8 full level

F25J 3/04 (2006.01)

CPC (source: EP US)

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Cited by

EP2541175A3; FR2767317A1; US6110980A; AU739325B2; US6339939B1

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EP 0606027 A1 19940713; **EP 0606027 B1 19961009**; CA 2112831 A1 19940706; CN 1093797 A 19941019; DE 69305317 D1 19961114; DE 69305317 T2 19970403; ES 2093946 T3 19970101; FR 2700205 A1 19940708; FR 2700205 B1 19950210; JP H06241649 A 19940902; US 5428962 A 19950704

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EP 93402907 A 19931201; CA 2112831 A 19940105; CN 94101920 A 19940104; DE 69305317 T 19931201; ES 93402907 T 19931201; FR 9300035 A 19930105; JP 33558593 A 19931228; US 16998493 A 19931216