

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 ein Druckgasprodukt und von wenigstens eine 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 A1 19940713 (FR)

Application

EP 93402907 A 19931201

Priority

FR 9300035 A 19930105

Abstract (en)

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>

Abstract (fr)

Dans ce procédé, on utilise une simple colonne de distillation (9) munie d'un cycle frigorifique à azote. De l'oxygène liquide et/ou de l'azote liquide, en provenance de la cuve de la colonne, sont portés par pompe (14, 15) à une haute pression de production, et sont vaporisés par condensation d'air surpressé. Simultanément, de l'oxygène liquide et/ou de l'azote liquide sont produits. L'installation peut comporter une colonne de production d'argon impur (10) couplée à la simple colonne <IMAGE>

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Citation (search report)

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- [A] EP 0413631 A1 19910220 - AIR LIQUIDE [FR], et al
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