

Title (en)

Process and installation for the production of oxygen by distillation of air

Title (de)

Verfahren und Vorrichtung zur Herstellung von Sauerstoff durch Rektifikation von Luft

Title (fr)

Procédé et installation pour la production de l'oxygène par distillation de l'air

Publication

EP 0677713 B1 19991020 (FR)

Application

EP 95400752 A 19950404

Priority

FR 9404298 A 19940412

Abstract (en)

[origin: EP0677713A1] Producing gaseous oxygen under pressure from the cryogenic distn. of air in a double column (5) comprising a medium pressure column (6) and a low pressure column (7), comprises dividing the enriched liq. from the medium pressure column into first and second liq. fractions which are sent to different levels in the low pressure column. These different levels are below the extrn. level of impure nitrogen from the low pressure column. The appts. to carry out the above process comprises a double distn. column (medium and low pressure columns), a means for extracting impure nitrogen from the low pressure column, and a means for extracting enriched liq. from the base of the medium pressure column and sending it to two levels in the low pressure column below the nitrogen extrn. level. <IMAGE>

IPC 1-7

F25J 3/04; **F25J 3/02**

IPC 8 full level

C01B 13/02 (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP US)

F25J 3/0409 (2013.01 - EP US); **F25J 3/04103** (2013.01 - EP US); **F25J 3/04206** (2013.01 - EP US); **F25J 3/04303** (2013.01 - EP); **F25J 3/04412** (2013.01 - EP US); **F25J 3/04678** (2013.01 - EP US); **F25J 2200/92** (2013.01 - EP US); **F25J 2215/58** (2013.01 - US); **F25J 2250/40** (2013.01 - EP US); **F25J 2250/50** (2013.01 - EP US)

Cited by

FR2854232A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0677713 A1 19951018; **EP 0677713 B1 19991020**; CA 2146831 A1 19951013; CN 1121172 A 19960424; DE 69512821 D1 19991125; DE 69512821 T2 20000525; FR 2718518 A1 19951013; FR 2718518 B1 19960503; JP H0854181 A 19960227; US 5586451 A 19961224

DOCDB simple family (application)

EP 95400752 A 19950404; CA 2146831 A 19950411; CN 95105136 A 19950411; DE 69512821 T 19950404; FR 9404298 A 19940412; JP 8553995 A 19950411; US 41944195 A 19950410