

Title (en)

Process and installation for the production of gaseous oxygen under pressure.

Title (de)

Verfahren und Apparat zur Herstellung von gasförmigem Sauerstoff unter Druck.

Title (fr)

Procédé et installation de production d'oxygène gazeux sous pression.

Publication

**EP 0576314 A1 19931229 (FR)**

Application

**EP 93401395 A 19930602**

Priority

FR 9207662 A 19920623

Abstract (en)

The entering air, compressed as a whole to a first high pressure P1, is in part overpressurised to a pressure P2. At intermediate temperatures, a portion of each flow of air is expanded in a turbine (7, 8). One of the turbines can exhaust at a pressure P3 lying between P1 and the average pressure. The majority of the oxygen separated is withdrawn in liquid form from the low-pressure column (13), pumped to the production pressure and vaporised in the heat exchange line (2) by condensation or pseudo-condensation of air at one of the pressures P1, P2 and P3. <IMAGE>

IPC 1-7

**F25J 3/04**

IPC 8 full level

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

CPC (source: EP US)

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Citation (search report)

- [A] EP 0024962 A1 19810311 - AIR LIQUIDE [FR]
- [A] GB 929798 A 19630626 - BRITISH OXYGEN CO LTD
- [AP] EP 0504029 A1 19920916 - AIR LIQUIDE [FR]

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