

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 B1 19961009 (FR)

Application

EP 93401395 A 19930602

Priority

FR 9207662 A 19920623

Abstract (en)

[origin: EP0576314A1] 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 The majority of the oxygen separated is withdrawn in liquid form from the low-pressure column (13), pumped to the production pressure and vaporised in the heat exchange line (2) by condensation or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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