

Title (en)
INSTALLATION FOR HIGH PRESSURE OXYGEN PRODUCTION BY MEANS OF AIR DISTILLATION

Title (de)
ANLAGE ZUR HERSTELLUNG VON HOCHDRUCKSAUERSTOFF DURCH DESTILLATION

Title (fr)
INSTALLATION DE PRODUCTION D'OXYGENE SOUS HAUTE PRESSION PAR DISTILLATION D'AIR

Publication
EP 1419353 A2 20040519 (FR)

Application
EP 02779604 A 20020801

Priority
• FR 0202780 W 20020801
• FR 0110817 A 20010814

Abstract (en)
[origin: US2003033832A1] This plant comprises N (N>1) air distillation units (1) in parallel, each one of which comprises a main air compressor (3) driven by a steam turbine (4); an air distillation apparatus (8) producing liquid oxygen and/or liquid nitrogen; at least one pump (9) for pumping liquid oxygen and/or liquid nitrogen to a high production pressure; and a cycle compressor (10) adapted to compress part of a cycle fluid. Each cycle compressor (10) is driven by an electric motor (11), and an (N+1)th steam turbine (12) drives an alternator (13) supplying the electric motors (11) with electric current. Application to supplying units (2) for producing synthetic hydrocarbons with high-pressure oxygen.

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F25J 3/04

IPC 8 full level
F01K 25/10 (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 03016804A2

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