

Title (en)  
PROCESS AND FACILITY FOR GENERATING LIQUID AND GASEOUS OXYGEN PRODUCTS BY LOW-TEMPERATURE SEPARATION OF AIR

Title (de)  
VERFAHREN UND ANLAGE ZUR ERZEUGUNG FLÜSSIGER UND GASFÖRMIGER SAUERSTOFFPRODUKTE DURCH TIEFTEMPATURZERLEGUNG VON LUFT

Title (fr)  
PROCÉDÉ ET INSTALLATION DE PRODUCTION DE PRODUITS D'OXYGÈNE LIQUIDES ET GAZEUX PAR FRACTIONNEMENT CRYOGÉNIQUE DE L'AIR

Publication  
**EP 2906889 B1 20210811 (DE)**

Application  
**EP 13755972 A 20130829**

Priority

- DE 102012017484 A 20120904
- EP 12007213 A 20121018
- EP 2013002604 W 20130829
- EP 13755972 A 20130829

Abstract (en)  
[origin: EP2703757A1] The method involves recovering a fraction of liquid with higher oxygen content from a high-pressure separating column (S1) of the distillation column system (S) for the production of liquid oxygen product (LOX). The liquid is guided out of the air separation plant. The fraction of liquid with reduced oxygen content in the low pressure separating column (S2) of the distillation column system is removed for production of GOX. The mixing column pressure in the mixing column (S3) is evaporated against the mixing column air. The gas from the air separation plant is led out. An independent claim is included for air separation plant.

IPC 8 full level  
**F25J 3/04** (2006.01)

CPC (source: EP RU)  
**F25J 3/0409** (2013.01 - EP); **F25J 3/04175** (2013.01 - EP); **F25J 3/042** (2013.01 - EP); **F25J 3/0429** (2013.01 - EP); **F25J 3/04296** (2013.01 - EP); **F25J 3/04393** (2013.01 - EP); **F25J 3/04466** (2013.01 - EP); **F25J 3/0409** (2013.01 - RU); **F25J 3/04175** (2013.01 - RU); **F25J 3/042** (2013.01 - RU); **F25J 3/0429** (2013.01 - RU); **F25J 3/04296** (2013.01 - RU); **F25J 3/04393** (2013.01 - RU); **F25J 3/04466** (2013.01 - RU); **F25J 2200/06** (2013.01 - EP); **F25J 2200/94** (2013.01 - EP); **F25J 2215/52** (2013.01 - EP); **F25J 2235/50** (2013.01 - EP)

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