

Title (en)
PROCESS FOR THE SEPARATION OF AIR BY CRYOGENIC DISTILLATION

Title (de)
VERFAHREN ZUR ABSCHIEDUNG VON LUFT DURCH KRYOGENE DESTILLATION

Title (fr)
PROCESSUS DE SÉPARATION DE L'AIR PAR DISTILLATION CRYOGÉNIQUE

Publication
EP 2904339 A2 20150812 (EN)

Application
EP 13763036 A 20130913

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Abstract (en)
[origin: EP2713128A1] A process for the separation of air by cryogenic distillation operates either with a product ratio greater than 2.5 in which case nitrogen enriched liquid is sent from a storage tank (27) to the column system and feed air or nitrogen enriched gas (29) from the column system is compressed in a first compressor (33) having an inlet temperature of less than -50 °C and then sent to the heat exchanger, or with a product ratio less than 2.5 in which case a second nitrogen rich gas removed from the column system is expanded in a turbine (73) having an inlet temperature lower than the ambient temperature or liquefied in a liquefier and nitrogen enriched liquid (57) is sent to the storage tank from the outlet of the turbine and/or from the column system and/or from the liquefier.

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