

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

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

Title (fr)
PROCÉDÉ POUR LA SÉPARATION D'AIR PAR DISTILLATION CRYOGÉNIQUE

Publication
EP 2831525 A2 20150204 (EN)

Application
EP 13716607 A 20130327

Priority
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• US 2013034042 W 20130327

Abstract (en)
[origin: US2013255313A1] A process for separation of air by cryogenic distillation, including cooling a first purified feed air stream in a heat exchanger, thereby producing a cooled first feed stream, removing a first portion from the heat exchanger at a first intermediate temperature, and compressing the cooled first portion in a first booster compressor, cooling the compressed first portion in the heat exchanger, thereby producing a cooled first portion, removing a second portion from the heat exchanger at a second intermediate temperature, and compressing the cooled second portion in a second booster compressor, cooling the compressed second portion in the heat exchanger, thereby producing a cooled second portion, and vaporizing a pressurized liquid stream from the column system in the heat exchanger at a vaporization temperature to form a pressurized gaseous product stream, wherein, both the first discharge temperature and said second discharge temperature are below -55° C.

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US10794630B2; US10866024B2

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