

Title (en)

METHOD AND DEVICE FOR AIR SEPARATION BY CRYOGENIC DISTILLING

Title (de)

GERÄT UND VERFAHREN ZUR TRENNUNG VON LUFT DURCH KRYOGENE DESTILLATION

Title (fr)

APPAREIL ET PROCÉDÉ DE SÉPARATION D'AIR PAR DISTILLATION CRYOGÉNIQUE

Publication

**EP 3438586 B1 20200408 (FR)**

Application

**EP 18186782 A 20180801**

Priority

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- FR 1757493 A 20170803
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- FR 1757498 A 20170803

Abstract (en)

[origin: US2019041130A1] Method for separating air by cryogenic distillation, wherein air is compressed in a compressor and is subsequently sent to a heat exchanger, with the air cooled in the exchanger being sent to a check valve downstream of the heat exchanger and subsequently to a turbine, the valve being positioned so that air from a short-circuiting duct cannot return to the exchanger from the compressor.

IPC 8 full level

**F25J 3/04** (2006.01)

CPC (source: CN EP US)

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**EP 3438585 A2 20190206**; **EP 3438585 A3 20190417**; CN 109387031 A 20190226; CN 109387031 B 20211102; CN 109387032 A 20190226; CN 109387033 A 20190226; CN 109387033 B 20211214; CN 109387034 A 20190226; CN 109387034 B 20211119; EP 3438584 A1 20190206; EP 3438584 B1 20200311; EP 3438586 A1 20190206; EP 3438586 B1 20200408; EP 3438587 A1 20190206; EP 3438587 B1 20200408; PL 3438586 T3 20200907; PL 3438587 T3 20200907; US 10794630 B2 20201006; US 10866024 B2 20201215; US 2019041129 A1 20190207; US 2019041130 A1 20190207; US 2019049177 A1 20190214; US 2019049178 A1 20190214

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