

Title (en)

AIR PREPARATION METHOD AND DEVICE WITH A CARBON DIOXIDE ADSORPTION AND OXYGEN ENRICHMENT PROCESS

Title (de)

LUFTAUFBEREITUNGSVERFAHREN UND -VORRICHTUNG MIT KOHLENDIOXIDADSORPTION UND SAUERSTOFFANREICHERUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE TRAITEMENT D'AIR AVEC ADSORPTION DE DIOXYDE DE CARBONE ET ENRICHISSEMENT EN OXYGÈNE

Publication

EP 3160619 A1 20170503 (DE)

Application

EP 15731270 A 20150615

Priority

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- EP 2015063366 W 20150615

Abstract (en)

[origin: WO2015197418A1] The invention relates to a method for generating prepared air. The method has the following steps: providing compressed air, reducing the carbon dioxide content of the compressed air in a carbon dioxide adsorption device (22), introducing the compressed air with an optionally reduced carbon dioxide content into a separating device (20), which contains a membrane (13) for separating nitrogen, conducting prepared air away from the separating device (20), conducting separated nitrogen away from the separating device (20), and at least partly regenerating the carbon dioxide adsorption device (22) using at least one part of the separated nitrogen.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2015197418A1

Citation (examination)

- WO 2013012622 A1 20130124 - CARRIER CORP [US], et al
- WO 2004042857 A1 20040521 - ZAKRYTOE AKTSIONERNOE OBSHEST [RU], et al

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