

Title (en)  
METHOD AND SYSTEM FOR TREATING AN OXYGEN-RICH LIQUID BATH COLLECTED AT THE FOOT OF A CRYOGENIC DISTILLATION COLUMN

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG EINES SAUERSTOFFFREICHEN FLÜSSIGKEITBADES IM SUMPFTHEIL EINER TIEFTEMPERATUR-DESTILLATIONSÄULE

Title (fr)  
PROCEDE ET INSTALLATION DE TRAITEMENT D'UN BAIN DE LIQUIDE RICHE EN OXYGENE RECUEILLI EN PIED D'UNE COLONNE DE DISTILLATION CRYOGENIQUE

Publication  
**EP 1616139 A1 20060118 (FR)**

Application  
**EP 04724040 A 20040329**

Priority  
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• FR 0350097 A 20030410

Abstract (en)  
[origin: FR2853723A1] System for the purging of residual oxygen at the base of a column used for the cryogenic separation of air. Treatment of a liquid bath(5) containing at least 70% mol of O<sub>2</sub> recovered at the base of a column(1) or element (3) of a cryogenic distillation columnmaking up part of a column system for the separation of air ; a continuous vaporization of the liquid is effected by means of a primary vaporiser(6) in aluminum and part of the bath is purged to avoid an accumulation of inflammabe impurities.The purged quantity is conveyed to a second vaporiser(13), and the vaporised O<sub>2</sub> is returned to the column(1).Part of the liquid O<sub>2</sub> treated by the second vaporiser is purged, The second vaporiser is constructed of material less inflammable than the first. An independent claim is also included for the installation for the process.

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**F25J 3/04**

IPC 8 full level  
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**F25J 3/04412** (2013.01 - EP US); **F25J 3/04418** (2013.01 - EP US); **F25J 3/0486** (2013.01 - EP US); **F25J 3/04884** (2013.01 - EP US); **F25J 3/04939** (2013.01 - EP US); **F25J 2250/02** (2013.01 - EP US); **F25J 2250/20** (2013.01 - EP US); **F25J 2290/44** (2013.01 - EP US); **Y10S 62/903** (2013.01 - EP US)

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