Title (en)

DEVICE FOR EVAPORATING A LIQUID BY HEAT EXCHANGE WITH A SECOND FLUID AND AIR DISTILLATION UNIT COMPRISING SUCH A DEVICE

Publication

EP 0130122 B1 19880914 (FR)

Application

EP 84401284 A 19840621

Priority

FR 8310472 A 19830624

Abstract (en)

[origin: ES8600489A1] Liquid oxygen of a low pressure column forms a bath 5 at the top of a heat exchanger 2 of the type having plates defining vertical passages 17, 18. This liquid is predistributed along every other passage 17 by a series of apertures 27 formed for example in the plates, and then is uniformly distributed in a fine manner in the same passages by a packing 24 so as to form a continuous running liquid film. The gaseous nitrogen of a medium pressure column is introduced into the remaining passages 18 and condensed by heat exchange with the oxygen which is vaporized.

IPC 1-7

F25J 3/00; F25J 3/04; F28F 27/02

IPC 8 full level

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CPC (source: EP KR US)

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FR2786858A1; EP0699884A1; WO2016166473A1; WO2016124748A1; FR2665755A1; EP3653983A1; EP1008826A1; EP0303492A3; US5014773A; FR2774755A1; EP0695921A1; EP0501471A3; EP2508830A1; FR3035202A1; CN107660265A; EP0566435A1; FR2690231A1; US5321954A; EP0546947A1; FR2685071A1; US5333683A; CN102792116A; FR2957142A1; CN102792117A; CN105066745A; FR3032521A1; CN107208986A; US6189338B1; WO2011110772A3; EP3462119B1

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