

Title (en)
Drying system

Title (de)
Trockensystem

Title (fr)
Système de séchage

Publication
EP 1983091 A1 20081022 (FR)

Application
EP 08103549 A 20080415

Priority
ES 200700998 A 20070416

Abstract (en)
The system has an absorber (8) for drying humid treatment air utilized for drying elements by contacting the air with concentrated absorbent aqueous solution circulated by a pump (13). A heat exchanger (14) reheats humid treatment air using heat generated during absorption process. A regenerator (11) regenerates the aqueous solution based on membrane distillation, electro dialysis or reverse osmosis.

Abstract (fr)
Système de séchage, qui consiste à sécher l'air de traitement humide provenant du séchage des éléments à sécher, par contact avec une solution aqueuse concentrée absorbante, en utilisant la chaleur générée lors du procédé d'absorption pour le réchauffement de l'air de traitement destiné au séchage des éléments à sécher.

IPC 8 full level
D06F 58/00 (2006.01); **D06F 58/24** (2006.01)

CPC (source: EP ES US)
D06F 58/24 (2013.01 - EP ES US)

Citation (applicant)
FR 2428211 A1 19800104 - CARRIER DRYSYS LTD [GB]

Citation (search report)
• [A] FR 2428211 A1 19800104 - CARRIER DRYSYS LTD [GB]
• [A] FR 2634667 A1 19900202 - AHLSTROEM FOERETAGEN [SE]
• [A] WO 8904713 A1 19890601 - HELLMAN LARS GUNNAR [SE]
• [A] JP S5872825 A 19830430 - HITACHI LTD
• [A] GB 2252738 A 19920819 - MOUNTAIN BREEZE LTD [GB]
• [A] US 4290208 A 19810922 - HELLMAN LARS G

Cited by
CN104562595A; EP2815689A1; EP2832280A1; US9168486B2; US9681791B2; US10349812B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1983091 A1 20081022; ES 2349096 A1 20101228; ES 2349096 B1 20111212

DOCDB simple family (application)
EP 08103549 A 20080415; ES 200700998 A 20070416