

Title (en)
VAPOUR EXTRACTION DEVICE

Title (de)
DAMPFEXTRAKTIONSVORRICHTUNG

Title (fr)
DISPOSITIF D EXTRACTION DE VAPEUR

Publication
EP 1928581 A1 20080611 (EN)

Application
EP 06774740 A 20060901

Priority
• EP 2006065933 W 20060901
• GB 0517776 A 20050901

Abstract (en)
[origin: WO2007026023A1] A device is disclosed for extracting an entrained product from a fluid stream. The device comprises a flow channel for the fluid stream, a quantity of selectively absorbing material located in the flow channel which is preferably an LCST polymer, having a first state in which the material is capable of holding a first higher quantity of the product and having a second state in which the material is capable of holding a second lower quantity of the product; and an actuator for selectively switching the material from the first state to the second state whereby product in excess of the second quantity is released. The device is ideally suited for dehumidification of moist air.

IPC 8 full level
B01D 53/28 (2006.01); **B01D 53/26** (2006.01); **F24F 3/14** (2006.01)

CPC (source: EP)
B01D 53/261 (2013.01); **B01D 53/28** (2013.01); **F24F 3/1423** (2013.01); **F24F 2003/1458** (2013.01); **F24F 2203/1036** (2013.01); **F24F 2203/1056** (2013.01); **F24F 2203/1084** (2013.01)

Citation (search report)
See references of WO 2007026023A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007026023 A1 20070308; CN 101291718 A 20081022; EP 1928581 A1 20080611; GB 0517776 D0 20051012

DOCDB simple family (application)
EP 2006065933 W 20060901; CN 200680039073 A 20060901; EP 06774740 A 20060901; GB 0517776 A 20050901