

Title (en)  
DEHUMIDIFICATION OR DEHYDRATION UNIT FOR APICULTURAL USE

Title (de)  
ENTFEUCHTUNGS- ODER ENTWÄSSERUNGSEINHEIT ZUR VERWENDUNG BEI DER BIENZUCHT

Title (fr)  
UNITÉ DE DÉSHUMIDIFICATION OU DE DÉSHYDRATATION UTILISABLE EN APICULTURE

Publication  
**EP 2219438 A4 20140423 (EN)**

Application  
**EP 07845461 A 20071210**

Priority  
BR 2007000335 W 20071210

Abstract (en)  
[origin: WO2009073937A1] A dehumidification or dehydration Unit is comprised by a coil or heat exchanger of evaporation (1 ), a coil or heat exchanger of condensation (2), an expansion valve (3), a rejected heat air stream (4) by the condensation coil (2), a compressor (5) or another equipment for increasing pressure, a ventilator (6) is provided for rejection of heat to environment from the parts of the condensation coil (2) and a circuit or substance (7) that is to be dehydrated or demisted. A ventilator unit (8) for recirculation of air and a gutter (9) for collection of condensate in the coil, which is collected by the condensate drain (10), are also provided. An air duct (12) is provided for rejection of heat. The condensation coil (2) is divided by a border or wall (16), to use part of the heat for the reheating of the cold and dry air.

IPC 8 full level  
**F26B 21/08** (2006.01); **A23L 3/40** (2006.01); **A23L 21/25** (2016.01)

CPC (source: EP US)  
**A23L 3/40** (2013.01 - EP US); **A23L 21/25** (2016.07 - EP US); **F26B 21/086** (2013.01 - EP US)

Citation (search report)

- [XYI] US 4532720 A 19850806 - UCHIDA SHIICHIRO [JP]
- [XAY] FR 2645042 A1 19901005 - JAGQUEIX ROBERT [FR]
- [A] US 4763572 A 19880816 - KUEHL LAWRENCE J [US]
- See references of WO 2009073937A1

Designated contracting state (EPC)  
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DOCDB simple family (application)  
**BR 2007000335 W 20071210**; EP 07845461 A 20071210; US 74700610 A 20100609