

Title (en)

Evaporating means for a heat pump heater with air as a heat source, and method for operation of a heat pump heater with air as a heat source

Title (de)

Luftwärmepumpen-Verdampfungsvorrichtung für eine Luftwärmepumpenheizung sowie Verfahren zum Betreiben einer Luftwärmepumpenheizung

Title (fr)

Pompe à chaleur utilisant l'air ambiant comme source de chaleur et dispositif de vaporisation pour un dispositif de chauffage utilisant l'air comme source de chaleur ainsi que méthode d'opération d'un tel dispositif de chauffage

Publication

EP 1736720 A2 20061227 (DE)

Application

EP 05022327 A 20051013

Priority

DE 102005029048 A 20050621

Abstract (en)

The air heat pump-evaporator device has an air heat exchanger arrangement formed as a multiple heat exchanger assembly (6), especially a triple heat exchanger assembly, which is additionally flow-washed by at least one additional heat-yielding medium (12) of an additional heat source (13) which in dependence upon an operating mode predetermined by means of a control and/or regulating unit of the air heat pump heating system (1) feeds heat to the air (8) and/or to the main working medium (2). An independent claim is included for a method for operating an air heat pump heater.

IPC 8 full level

F25B 30/02 (2006.01); **F24D 11/02** (2006.01); **F25B 27/00** (2006.01)

CPC (source: EP)

F24D 11/0214 (2013.01); **F25B 27/005** (2013.01); **F25B 30/02** (2013.01); **F24D 3/08** (2013.01)

Cited by

ITTV20080164A1; US11927377B2; US11953239B2

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1736720 A2 20061227; DE 102005029048 A1 20061228; DE 102005029048 B4 20071108

DOCDB simple family (application)

EP 05022327 A 20051013; DE 102005029048 A 20050621