

Title (en)

Method for selecting a heat source of a heat pump

Title (de)

Verfahren zur Auswahl einer Wärmequelle einer Wärmepumpe

Title (fr)

Procédé de sélection d'une source de chaleur d'une pompe à chaleur

Publication

EP 2423611 A3 20130508 (DE)

Application

EP 11178435 A 20110823

Priority

DE 102010035900 A 20100831

Abstract (en)

[origin: EP2423611A2] The method involves providing an air heat pump (1), an air supply element (2), an air flow generator (3), an evaporator (4) and a heat pump circuit (5), for providing thermal output to the load. The coefficient of performance (COP) of the air heat pump is increased by carrying out switching process between two different air sources (21,22), by a measuring and control unit (10) which is mounted between the air sources, based on the driving power and the heat output power of the air heat pump.

IPC 8 full level

F24F 1/02 (2011.01); **F24D 3/18** (2006.01); **F24D 11/02** (2006.01); **F24F 11/00** (2006.01)

CPC (source: EP US)

F24D 19/1039 (2013.01 - EP US); **F24D 19/1054** (2013.01 - EP US); **F24F 1/022** (2013.01 - EP); **F24F 11/30** (2017.12 - EP); **F24F 11/46** (2017.12 - EP US); **F24F 11/63** (2017.12 - EP US); **F24F 11/70** (2017.12 - EP US); **F24H 15/156** (2022.01 - EP US); **F24H 15/20** (2022.01 - EP US); **F24H 15/242** (2022.01 - EP US); **F24H 15/258** (2022.01 - EP US); **F24H 15/414** (2022.01 - EP US)

Citation (search report)

- [X] FR 2941521 A1 20100730 - ATLANTIC CLIMATISATION VENTILA [FR]
- [Y] DE 102007025102 A1 20081030 - VIEBROCKHAUS AG [DE]
- [X] FR 2435005 A2 19800328 - ANTONELLI ROBERT
- [Y] GB 2024392 A 19800109 - ASKO UPO OY

Cited by

GB2493272A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2423611 A2 20120229; **EP 2423611 A3 20130508**; DE 102010035900 A1 20120301

DOCDB simple family (application)

EP 11178435 A 20110823; DE 102010035900 A 20100831