

Title (en)
Gas-fired air heater with reversible air-conditioner

Title (de)
Gas-Luftheizgerät mit umkehrbarer Klimaanlage

Title (fr)
Aérotherme à gaz et à climatiseur réversible

Publication
EP 1980794 B1 20091202 (FR)

Application
EP 08006964 A 20080408

Priority
FR 0702588 A 20070410

Abstract (en)
[origin: EP1980794A1] The method involves assuring a heating function of gas by a gas exchanger and a cooling function by a refrigerating unit. The refrigerating unit is set in operation when an air thermostat is in a cold state, or the burnt gas from the exchanger is ignited when the exchanger is in hot state. A performance coefficient of the refrigerating unit is assured when an outer temperature is too low. The refrigerating unit is set in operation and its cycle is reversed for delivering the heat on a battery situated inside in an inner unit (1) mounted inside the building by automatic selection of energy. An independent claim is also included for a device for implementing a method of conditioning air in building, comprising an inner unit.

IPC 8 full level
F24F 1/00 (2011.01); **F24F 3/00** (2006.01)

CPC (source: EP US)
F24F 1/0003 (2013.01 - EP); **F24F 1/32** (2013.01 - EP); **F24F 11/30** (2017.12 - EP); **F24F 11/62** (2017.12 - EP US); **F24F 11/47** (2017.12 - EP); **F24F 11/65** (2017.12 - EP); **F24F 2221/34** (2013.01 - EP)

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

DOCDB simple family (publication)
EP 1980794 A1 20081015; **EP 1980794 B1 20091202**; AT E450759 T1 20091215; DE 602008000330 D1 20100114; FR 2914988 A1 20081017; FR 2914988 B1 20091218

DOCDB simple family (application)
EP 08006964 A 20080408; AT 08006964 T 20080408; DE 602008000330 T 20080408; FR 0702588 A 20070410