

Title (en)
Air conditioner and operation method thereof

Title (de)
Klimaanlage und Betriebsverfahren dafür

Title (fr)
Climatiseur et son procédé de fonctionnement

Publication
EP 1918651 B1 20091021 (EN)

Application
EP 07021308 A 20071031

Priority
JP 2006295816 A 20061031

Abstract (en)
[origin: EP1918651A1] An air conditioner includes an indoor unit which houses an air outlet which blows off air into the inside of a room, an air outlet open/close mechanism which opens/closes the air outlet, an air inlet which sucks indoor air, an indoor fan, and an indoor heat exchanger therein. The air conditioner includes: a humidifying mechanism that wets the inside of the indoor unit to bring the inside of the indoor unit into a predetermined humidity; an ozone generator arranged on a windward side of the indoor heat exchanger; and an air conditioning controller having an operation mode in which ozone treatment is performed by allowing the ozone generator to generate ozone in a state that the inside of the indoor unit is held at the predetermined humidity by the humidifying mechanism.

IPC 8 full level
F24F 1/0007 (2019.01); **F24F 1/0063** (2019.01); **F24F 1/0083** (2019.01); **F24F 11/02** (2006.01)

CPC (source: EP US)
F24F 1/0007 (2013.01 - EP US); **F24F 1/0057** (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0083** (2019.01 - EP US);
F24F 8/26 (2021.01 - EP); **F24F 8/90** (2021.01 - EP)

Cited by
JP2014124294A; CN109631195A; CN110631136A; CN115978735A; EP2500666A1; CN102679451A; WO2013149285A1

Designated contracting state (EPC)
ES IT

DOCDB simple family (publication)
EP 1918651 A1 20080507; **EP 1918651 B1 20091021**; CN 101173804 A 20080507; CN 101173804 B 20111214; ES 2335814 T3 20100405;
JP 2008111623 A 20080515; JP 4396688 B2 20100113

DOCDB simple family (application)
EP 07021308 A 20071031; CN 200710168216 A 20071031; ES 07021308 T 20071031; JP 2006295816 A 20061031