

Title (en)  
INDOOR UNIT FOR AIR CONDITIONER

Title (de)  
INNENEINHEIT FÜR EINE KLIMAANLAGE

Title (fr)  
UNITÉ INTÉRIEURE POUR CONDITIONNEUR D'AIR

Publication  
**EP 3104092 A4 20170419 (EN)**

Application  
**EP 15871293 A 20150302**

Priority  
JP 2015056114 W 20150302

Abstract (en)  
[origin: EP3104092A1] An air-conditioning-apparatus indoor unit 1 eliminates or reduces the application of conditioned air to an area in the vicinity of an infrared sensor 35. The air-conditioning-apparatus indoor unit 1 includes a main body 2 that has an air inlet 22 disposed in an upper part of the main body 2 and an air outlet 23 disposed in a lower part of a front surface of the main body 2 and that accommodates a heat exchanger and a fan, left-right deflectors 7a and 7b that are arranged in the air outlet 23 and are configured to change the direction of an air flow from the air outlet 23 in a left-right direction, up-down deflectors 8a and 8b that are arranged in the air outlet 23 and are configured to change the direction of the air flow from the air outlet 23 in an up-down direction, the infrared sensor 35 disposed at one end in the left-right direction of the front surface of the main body 2 so that the infrared sensor 35 is next to one end in the left-right direction of the air outlet 23 of the main body 2, and an large air flow control plate 41, a small air flow control plate 43, and an upper air flow control plate 42 that are arranged between the infrared sensor 35 and one end of the left-right deflector 7b close to the infrared sensor 35 and that control the air flow from the air outlet 23.

IPC 8 full level  
**F24F 11/02** (2006.01); **F24F 1/00** (2011.01); **F24F 11/00** (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP RU US)  
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Citation (search report)

- [A] US 2014041145 A1 20140213 - MATSUMOTO TAKASHI [JP]
- [A] US 2004079094 A1 20040429 - KASAI MASAYA [JP], et al
- [A] EP 2206989 A2 20100714 - LG ELECTRONICS INC [KR]
- See also references of WO 2016139729A1

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 3104092 A1 20161214; EP 3104092 A4 20170419; EP 3104092 B1 20190206**; CN 107250682 A 20171013; CN 107250682 B 20191119; JP 6317030 B2 20180425; JP WO2016139729 A1 20170824; RU 2664220 C1 20180815; SG 11201704709W A 20170928; TR 201616931 T1 20170221; US 2017336083 A1 20171123; WO 2016139729 A1 20160909

DOCDB simple family (application)  
**EP 15871293 A 20150302**; CN 201580076429 A 20150302; JP 2015056114 W 20150302; JP 2017503232 A 20150302; RU 2017125457 A 20150302; SG 11201704709W A 20150302; TR 201616931 T 20150302; US 201515532541 A 20150302