

Title (en)  
INDOOR UNIT OF AIR CONDITIONER AND AIR CONDITIONER

Title (de)  
INNENRAUMEINHEIT FÜR KLIMAAANLAGE UND KLIMAAANLAGE

Title (fr)  
UNITÉ INTÉRIEURE D'UN SYSTÈME DE CLIMATISATION ET SYSTÈME DE CLIMATISATION

Publication  
**EP 3098530 A4 20170920 (EN)**

Application  
**EP 14879931 A 20141027**

Priority  
• JP 2014009085 A 20140122  
• JP 2014078430 W 20141027

Abstract (en)  
[origin: EP3098530A1] An indoor unit of air conditioner, and the air conditioner are provided. The indoor unit includes a human detection sensor for detection of a predetermined range, and a plurality of desired ranges by using general purpose human detection sensors and lenses. The indoor unit of air conditioner includes a plurality of outlet ports through which air is blown to an interior of a room in different directions, and a human detection unit for detecting a human in the room. The human detection unit includes a plurality of human detection sensors installed in the plurality of outlet ports correspondingly, and lenses provided for the human detection sensors, respectively. The plurality of human detection sensors detect ranges corresponding to the different outlet ports, respectively.

IPC 8 full level  
**F24F 11/02** (2006.01); **F24F 13/32** (2006.01)

CPC (source: EP US)  
**F24F 1/0014** (2013.01 - EP US); **F24F 1/0047** (2019.01 - EP US); **F24F 11/30** (2017.12 - EP US); **F24F 11/56** (2017.12 - EP US); **F24F 11/79** (2017.12 - EP US); **F24F 2120/10** (2017.12 - EP US); **F24F 2120/12** (2017.12 - EP US)

Citation (search report)  
• [IY] JP 2013164217 A 20130822 - DAIKIN IND LTD  
• [Y] JP 2010091144 A 20100422 - HITACHI APPLIANCES INC  
• [Y] JP 2009186139 A 20090820 - PANASONIC CORP  
• [Y] JP H0377032 A 19910402 - MATSUSHITA REFRIGERATION  
• [Y] JP 2008281213 A 20081120 - HITACHI APPLIANCES INC  
• [Y] JP 2012083077 A 20120426 - MITSUBISHI ELECTRIC CORP  
• See references of WO 2015111266A1

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

DOCDB simple family (publication)  
**EP 3098530 A1 20161130; EP 3098530 A4 20170920; EP 3098530 B1 20201125**; JP 2015137792 A 20150730; JP 6241933 B2 20171206; US 2016356518 A1 20161208; WO 2015111266 A1 20150730

DOCDB simple family (application)  
**EP 14879931 A 20141027**; JP 2014009085 A 20140122; JP 2014078430 W 20141027; US 201415113061 A 20141027