

Title (en)
INDOOR UNIT FOR AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITE INTERIEURE POUR CLIMATISEUR

Publication
EP 2017543 A4 20131211 (EN)

Application
EP 07742538 A 20070426

Priority
• JP 2007059103 W 20070426
• JP 2006127072 A 20060428

Abstract (en)
[origin: EP2017543A1] A corner panel fitting/removal mechanism (K) which fits/removes each corner panel (21) for a dress panel (3) to/from an opening (20) of the panel body (3a) includes a swing member (36) attached to the panel body (3A) so as to freely swingable around its middle, and having a hooking pawl (41) at one end and an operating screw hole (40) at the other end, an operation screw (44) screwed into the operating screw hole (40), used to incline the swing member (36) as the operation screw is rotated in a predetermined direction, and to project an end of the corner panel from the surface of the panel body (3A) by use of the end of the hooking pawl (41), thereby allowing the corner panel to be removed, and an engagement hole (51) provided in the corner panel, and engaged with the hooking pawl (41) as the operation screw (40) is rotated in a direction opposite to the predetermined direction, and hence the swing member (36) is inclined in an opposite direction, thereby disposing the corner panel (21) and panel body (3A) in the same plane such that the corner panel cannot be removed.

IPC 8 full level
F24F 1/0047 (2019.01); **F24F 13/20** (2006.01); **F24F 1/0063** (2019.01)

CPC (source: EP US)
F24F 1/0014 (2013.01 - EP); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 13/20** (2013.01 - EP); **F24F 1/0011** (2013.01 - EP); **F24F 2013/0616** (2013.01 - EP)

Citation (search report)
• [A] EP 1327829 A1 20030716 - MITSUBISHI ELECTRIC CORP [JP]
• [A] EP 1139034 A1 20011004 - MITSUBISHI ELECTRIC CORP [JP]
• [AD] JP 2004085002 A 20040318 - ADVANCED KUCHO KAIHATSU CT KK, et al
• [A] US 2002177400 A1 20021128 - ASAHINA MANABU [JP], et al
• [A] JP H07324769 A 19951212 - DAIKIN IND LTD
• See references of WO 2007126019A1

Cited by
JP2015180847A; EP3187794A1; JPWO2012169110A1; EP3587952A4; US10544947B2; CN106016452A; EP3081876A3; EP3270074A1; AU2016201838B2; US9574815B2; US10429088B2; JP2013217554A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2017543 A1 20090121; EP 2017543 A4 20131211; EP 2017543 B1 20150819; CN 101517328 A 20090826; CN 101517328 B 20120530; JP 4582817 B2 20101117; JP WO2007126019 A1 20090910; WO 2007126019 A1 20071108

DOCDB simple family (application)
EP 07742538 A 20070426; CN 200780015321 A 20070426; JP 2007059103 W 20070426; JP 2008513270 A 20070426