

Title (en)
CEILING-TYPE INDOOR UNIT OF AIR CONDITIONER

Title (de)
DECKENINNENRAUMEINHEIT EINER KLIMAAANLAGE

Title (fr)
UNITÉ INTÉRIEURE DE CLIMATISEUR DE TYPE AU PLAFOND

Publication
EP 3730846 A4 20211027 (EN)

Application
EP 18891313 A 20181221

Priority
• KR 20170177353 A 20171221
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• KR 2018016455 W 20181221

Abstract (en)
[origin: EP3730845A1] In the present disclosure, an intake grille is supported at four points through four wires, two wires disposed on one side are fixed to a first drum and two wires disposed on the other side are fixed to a second drum, whereby two pairs of wires may be simultaneously wound or unwound through two drum motors operating the first drum and the second drum, respectively.

IPC 8 full level
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CPC (source: EP KR)
F24F 1/0011 (2013.01 - KR); **F24F 1/0047** (2019.02 - EP); **F24F 13/084** (2013.01 - EP); **F24F 13/085** (2013.01 - EP);
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F24F 2013/1453 (2013.01 - EP); **F24F 2013/207** (2013.01 - EP)

Citation (search report)
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• [Y] CN 101078540 A 20071128 - LG ELECTRONICS TIANJIN [CN]
• [Y] WO 2010013957 A2 20100204 - SHIN JEONG-HUN [KR]
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• See also references of WO 2019125045A1

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

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EP 3730845 A1 20201028; EP 3730845 A4 20211020; AU 2018388327 A1 20200806; AU 2018388327 B2 20220519;
AU 2018388381 A1 20200806; AU 2018388381 B2 20220616; AU 2018388754 A1 20200806; AU 2018388754 B2 20220616;
CN 111742178 A 20201002; CN 111742178 B 20220426; CN 111742179 A 20201002; CN 111742179 B 20220524; CN 111801529 A 20201020;
CN 111801529 B 20220422; EP 3730846 A1 20201028; EP 3730846 A4 20211027; EP 3730847 A1 20201028; EP 3730847 A4 20211103;
KR 102187748 B1 20201207; KR 102235273 B1 20210402; KR 102278184 B1 20210716; KR 102454127 B1 20221014;
KR 20190075818 A 20190701; KR 20190075819 A 20190701; KR 20190075820 A 20190701; KR 20200144534 A 20201229

DOCDB simple family (application)
EP 18890162 A 20181221; AU 2018388327 A 20181221; AU 2018388381 A 20181221; AU 2018388754 A 20181221;
CN 201880089977 A 20181221; CN 201880089986 A 20181221; CN 201880089987 A 20181221; EP 18891313 A 20181221;
EP 18891513 A 20181221; KR 20180164264 A 20181218; KR 20180164266 A 20181218; KR 20180164267 A 20181218;
KR 20200179957 A 20201221