

Title (en)
INTEGRATED AIR CONDITIONER

Title (de)
INTEGRIERTE KLIMAANLAGE

Title (fr)
CONDITIONNEUR D'AIR INTÉGRÉ

Publication
EP 2955458 A1 20151216 (EN)

Application
EP 15158792 A 20150312

Priority
JP 2014050437 A 20140313

Abstract (en)
Provided is an integrated air conditioner (1) in which a partition plate that used to have only the function of a partition wall (3) constitutes a central frame, and other functional parts or mechanisms are integrally molded or subassembled thereon to achieve functional integration, thereby improving ease of assembly. In an integrated air conditioner 1 in which the inside of a unit main body (2) is partitioned into two, namely, upper (4) and lower (5), chambers by a partition wall, indoor-side component devices are accommodated in an upper chamber (4), and outdoor-side component devices are accommodated in a lower chamber (5), the partition wall constitutes a central frame (3), and a windpath forming part (23) that forms at least part of a blownwind path for temperature-adjusted wind, a drain-water pathway (24) that guides drain water produced on an indoor side to an outdoor side, and a wind-direction adjusting mechanism (17) that adjusts the blowing direction of temperature-adjusted wind are integrated on the central frame (3) through integral molding or subassembly.

IPC 8 full level
F24F 1/029 (2019.01); **F24F 13/20** (2006.01); **F24F 1/0314** (2019.01); **F24F 1/0323** (2019.01); **F24F 1/035** (2019.01); **F24F 1/0355** (2019.01); **F24F 13/22** (2006.01)

CPC (source: EP US)
F24F 1/0011 (2013.01 - EP); **F24F 1/029** (2019.01 - EP US); **F24F 1/0314** (2019.01 - EP US); **F24F 1/0323** (2019.01 - EP US); **F24F 1/035** (2019.01 - EP US); **F24F 1/0355** (2019.01 - EP US); **F24F 13/20** (2013.01 - EP); **F24F 13/222** (2013.01 - EP)

Citation (applicant)
• JP H05149579 A 19930615 - MITSUBISHI ELECTRIC CORP
• JP S6240261 A 19870221 - SHOKUHIN SANGYO MAKU RIYOU GIJ

Citation (search report)
• [A] JP 2008180408 A 20080807 - MATSUSHITA ELECTRIC IND CO LTD
• [A] JP 2009024927 A 20090205 - MEIWA KK
• [A] JP H0593527 A 19930416 - MATSUSHITA SEIKO KK
• [AD] JP H05149579 A 19930615 - MITSUBISHI ELECTRIC CORP

Cited by
CN110805964A; EP4043806A4

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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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