

Title (en)
OUTDOOR UNIT OF AIR CONDITIONER

Title (de)
AUSSENEINHEIT FÜR KLIMAANLAGE

Title (fr)
UNITE EXTERIEURE POUR UN CONDITIONNEUR D'AIR

Publication
EP 1391661 A4 20070214 (EN)

Application
EP 02728203 A 20020531

Priority
• JP 0205338 W 20020531
• JP 2001164454 A 20010531

Abstract (en)
[origin: EP1391661A1] A casing (10) includes a front-side part (16) in which is formed a suction inlet (26), a topside part (14) in which is formed a topside emission outlet (21), and a back plate (11). The casing (10) contains a heat exchanger (30) mounted in the suction inlet (26) and a mixed flow fan (51) made up of a fan motor (53) mounted on the side of a back surface of the heat exchanger (30) and a fan rotor (52) which is activated by the fan motor (53). The mixed flow fan (51) is mounted in such a way that the fan motor (53) is located on the front side of the fan rotor (52). Formed on the side of a back surface of the mixed flow fan (51) is an emission flow path (27) along which a part of air blown out of the mixed flow fan (51) flows between the mixed flow fan (51) and the back plate (11) of the casing (10) toward the topside emission outlet (21). <IMAGE>

IPC 8 full level
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CPC (source: EP)
F24F 1/38 (2013.01); **F24F 1/46** (2013.01); **F24F 1/56** (2013.01); **F24F 2013/205** (2013.01)

Citation (search report)
• [XY] JP H0571768 A 19930323 - MITSUBISHI ELECTRIC CORP
• [X] JP H11237083 A 19990831 - SANYO ELECTRIC CO
• [Y] JP 2001065925 A 20010316 - DAIKIN IND LTD
• [DY] JP 2000018649 A 20000118 - DAIKIN IND LTD
• [A] JP 2000074421 A 20000314 - DAIKIN IND LTD
• See references of WO 02097337A1

Cited by
EP3070410A1; EP3354993A1; NL2018716B1; US10107507B2; WO2007099571A1

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