

Title (en)
INDOOR MACHINE OF AIR CONDITIONER

Title (de)
INNENRAUMMASCHINE EINER KLIMAAANLAGE

Title (fr)
MACHINE INTÉRIEURE DE CLIMATISEUR

Publication
EP 2327938 A4 20150701 (EN)

Application
EP 09808319 A 20090821

Priority
• JP 2009064667 W 20090821
• JP 2008214448 A 20080822

Abstract (en)
[origin: EP2327938A1] An airstream direction guide device (F) including a discharge port (6) includes an up/down airstream direction louver (7A), which controls an up/down discharge direction of heat-exchanged air, and right/left airstream direction louvers (7B), which are attached to the up/down airstream direction louver (7A) and control a right/left discharge direction of the heat-exchanged air, wherein the right/left airstream direction louvers (7B) are formed to have a length in a depth direction longer than that in a vertical direction and the same as or longer than a length of the up/down airstream direction louver (7A) in the depth direction, the up/down airstream direction louver (7A) is caused to take an approximately horizontal attitude and the right/left airstream direction louvers (7B) are positioned on an upper surface side of the up/down airstream direction louver (7A) and perform a horizontal discharge guide, and the up/down airstream direction louver (7A) is caused to take an approximately vertical attitude, and the right/left airstream direction louvers (7B) are positioned on a back surface side of the up/down airstream direction louver (7A) and perform a downward discharge guide so that a horizontal discharge guide in the cooling operation and a downward discharge guide in the warming operation can be securely and efficiently switched, airstream direction guide characteristics can be improved, and the heat-exchanged air can be smoothly distributed.

IPC 8 full level
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CPC (source: EP)
F24F 1/0011 (2013.01); **F24F 1/0057** (2019.01); **F24F 13/15** (2013.01)

Citation (search report)
• [A] WO 2008062649 A1 20080529 - SHARP KK [JP], et al
• [A] JP 2004232943 A 20040819 - FUJITSU GENERAL LTD
• [A] JP 2008175431 A 20080731 - MATSUSHITA ELECTRIC IND CO LTD
• [A] JP 2007120890 A 20070517 - MITSUBISHI ELECTRIC CORP
• [A] WO 2007012163 A1 20070201 - SPRINGER CARRIER LTDA [BR], et al
• [A] JP 2002295889 A 20021009 - MATSUSHITA ELECTRIC IND CO LTD
• See references of WO 2010021383A1

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EP 09808319 A 20090821; CN 200980132274 A 20090821; JP 2009064667 W 20090821; JP 2010525717 A 20090821