

Title (en)
INDOOR UNIT FOR AIR CONDITIONER

Title (de)
INNENRAUMEINHEIT FÜR KLIMAAANLAGE

Title (fr)
SECTION INTERIEURE DE CLIMATISEUR

Publication
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Application
EP 06843072 A 20061222

Priority
• JP 2006325615 W 20061222
• JP 2006000150 A 20060104

Abstract (en)
[origin: EP1975520A1] An object of the present invention is to provide a highly reliable indoor unit of an air conditioner in which the sealing of a shutter is improved. An indoor unit (1) of an air conditioner includes an indoor heat exchanger (3), a body (2), a centrifugal fan (4), and a shutter (5). A plurality of discharge passages (P2, P3) for discharging air that has passed through the indoor heat exchanger (3) are formed in the body (2). The centrifugal fan (4) generates a flow of air that passes through the indoor heat exchanger (3) and is blown out of the discharge passages (P2, P3). The shutter (5) is provided to at least one discharge passage (P3) of the plurality of discharge passages (P2, P3). The shutter (5) is kept in a closed state by the pressure of the air flow.

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F24F 1/0014 (2013.01 - EP US); **F24F 1/005** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 13/1406** (2013.01 - EP US)

Citation (search report)
• [X] JP S5857637 U 19830419
• [X] JP H04217733 A 19920807 - MATSUSHITA REFRIGERATION
• [X] JP H11237067 A 19990831 - FUJITSU GENERAL LTD
• [X] JP H08261496 A 19961011 - FUJITSU GENERAL LTD
• [A] JP H11325550 A 19991126 - HITACHI LTD
• See references of WO 2007077764A1

Cited by
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