

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Climatiseur

Publication
EP 1624260 A3 20070214 (EN)

Application
EP 05016680 A 20050801

Priority
JP 2004226676 A 20040803

Abstract (en)
[origin: EP1624260A2] An air conditioner including an auxiliary evaporator (15) in which cooling water for cooling an engine (31) is circulated, a main cooling path through which the cooling water passing through the engine (31) flows back through an outdoor heat exchanger (19) to a cooling water pump (39), an auxiliary cooling path through which the cooling water passing through the engine (31) flows back through the auxiliary evaporator (15) to the cooling water pump (39), an electrically-operated three-way valve (37) for distributing the cooling water to the main cooling path and the auxiliary cooling path, and a controller (61) for controlling the electrically-operated three-way valve (37) on the basis of the temperature difference between the water temperature of the cooling water and a target temperature so that the cooling water is distributed to both the main cooling path and the auxiliary cooling path or to only the auxiliary cooling path.

IPC 8 full level
B60H 1/00 (2006.01); **F24F 11/02** (2006.01); **F25B 1/00** (2006.01); **F25B 13/00** (2006.01); **F25B 27/00** (2006.01); **F25B 27/02** (2006.01)

CPC (source: EP KR)
F25B 13/00 (2013.01 - EP KR); **F25B 27/00** (2013.01 - EP KR); **F25B 2313/004** (2013.01 - EP KR); **F25B 2313/0213** (2013.01 - EP KR); **F25B 2313/02521** (2013.01 - EP KR); **F25B 2313/02543** (2013.01 - EP KR); **F25B 2327/00** (2013.01 - EP KR)

Citation (search report)
• [X] EP 1275913 A2 20030115 - MITSUBISHI HEAVY IND LTD [JP]
• [A] EP 1334851 A2 20030813 - SANYO ELECTRIC CO [JP], et al
• [A] EP 1288592 A2 20030305 - MITSUBISHI HEAVY IND LTD [JP]

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EP4130607A4; CN102022804A; EP1882891A3; CN106338112A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1624260 A2 20060208; EP 1624260 A3 20070214; EP 1624260 B1 20081008; CN 100462649 C 20090218; CN 1734214 A 20060215; DE 602005010159 D1 20081120; JP 2006046755 A 20060216; JP 4565923 B2 20101020; KR 100597145 B1 20060706; KR 20060047781 A 20060518

DOCDB simple family (application)
EP 05016680 A 20050801; CN 200510070452 A 20050509; DE 602005010159 T 20050801; JP 2004226676 A 20040803; KR 20050039539 A 20050512