

Title (en)  
AIR CONDITIONER

Title (de)  
KLIMAANLAGE

Title (fr)  
CLIMATISEUR

Publication  
**EP 2957773 A4 20160803 (EN)**

Application  
**EP 13875217 A 20131210**

Priority  
• JP 2013024108 A 20130212  
• JP 2013083027 W 20131210

Abstract (en)  
[origin: EP2957773A1] Wind noise is reduced. An air conditioner includes: a cross flow fan 10 in which vane wheels 12 each including vanes 15 lined up in a circumferential direction are lined up in an axial direction; and a stabilizer 32 and a rear guider 20 which are provided on respective sides of an outer periphery of the cross flow fan 10 to form an air passage. A leading end portion of the rear guider 20 has a multi-stage shape so as to include level-difference portions 25, 26 which are deviated in the circumferential direction of the cross flow fan 10, and the level-difference portions 25, 26 include at least one first level-difference portion 26 which opposes an intermediate portion in the axial direction of at least one of the vane wheels 12. A leading end portion of the stabilizer 32 has a multi-stage shape so as to include level-difference portions 39, 40 which are deviated in the circumferential direction of the cross flow fan 10, and the level-difference portions 39, 40 include at least one first level-difference portion 40 which opposes an intermediate portion in the axial direction of at least one of the vane wheels 12.

IPC 8 full level  
**F04D 17/04** (2006.01); **F04D 29/28** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/66** (2006.01); **F04D 29/68** (2006.01); **F24F 1/00** (2011.01); **F24F 13/24** (2006.01)

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Citation (search report)  
• [XA] JP S63113198 A 19880518 - TOSHIBA CORP  
• [XA] EP 2405206 A1 20120111 - MITSUBISHI ELECTRIC CORP [JP]  
• [X] CN 1752461 A 20060329 - LG ELECTRONICS TIANJIN [CN]  
• [XA] JP 2002061867 A 20020228 - HITACHI LTD  
• [XA] JP S61226595 A 19861008 - MATSUSHITA ELECTRIC IND CO LTD  
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• [X] JP S62690 A 19870106 - MATSUSHITA ELECTRIC IND CO LTD  
• See references of WO 2014125711A1

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