

Title (en)
VENTILATING DEVICE AND THE REFRIGERATOR HAVING THE SAME

Title (de)
LÜFTUNGSVORRICHTUNG UND KÜHLSCHRANK DAMIT

Title (fr)
DISPOSITIF DE VENTILATION ET RÉFRIGÉRATEUR AINSI ÉQUIPÉ

Publication
EP 2153145 A4 20140702 (EN)

Application
EP 08712546 A 20080219

Priority
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• KR 20070033428 A 20070404

Abstract (en)
[origin: WO2008123659A2] A ventilating device and a refrigerator, more particularly, a ventilating device including a scroll of an optimized structure and a refrigerator having the same are disclosed. The ventilating device includes a ventilation fan for ventilating air, a first duct for allowing some of the air discharged from the ventilation fan to flow therealong, a second duct for allowing at least some of the remaining air, excluding the air discharged from the ventilation fan and flowing along the first duct, to flow therealong, and a scroll for guiding the air discharged from the ventilation fan to the first duct and the second duct, the scroll being constructed in the shape of a spiral track in which a coefficient of expansion angle from a cutoff part to at least one of the first and second ducts is 0.35 to 0.4.

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Citation (search report)
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• [A] FRANK P BLEIER: "Inlet Clearance", 1 September 1997, FAN HANDBOOK - SELECTION, APPLICATION AND DESIGN, MCGRAW-HILL, PAGE(S) 7.10 - 7.13, ISBN: 0-07-005933-0, XP003030475
• See references of WO 2008123659A2

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