

Title (en)  
REFRIGERATOR

Title (de)  
KÜHLSCHRANK

Title (fr)  
RÉFRIGÉRATEUR

Publication  
**EP 2317257 A4 20150121 (EN)**

Application  
**EP 09812877 A 20090909**

Priority  

- JP 2009004452 W 20090909
- JP 2008234709 A 20080912
- JP 2009022140 A 20090203
- JP 2009180307 A 20090803

Abstract (en)  
[origin: EP2317257A1] There is provided a refrigerator including a thermally insulated cabinet, a door body which is openably mounted to an opening portion of the thermally insulated cabinet, cooling means for cooling air within the thermally insulated cabinet to create cooled air, and a cooled-air circulation path for guiding cooled air between refrigerating room (1102) and the cooling means, wherein duct (1129a) which forms the cooled-air circulation path is formed to have a lateral width smaller than a lateral width of refrigerating room (1102) and, further, duct (1129a) includes, in its side surfaces, discharge ports (1130a to 1130f) for discharging cooled air into refrigerating room (1102) and suction port (1131a) for sucking cooled air from refrigerating room (1102). Further, chamber spaces (1302) are provided between the duct side surfaces and the inner side surfaces of the room, while there is no chamber space on the duct upper surface. This prevents the inconvenience of freeze of foods and the like in the refrigerating room, further improves the appearance of the refrigerating room and, further, maintains the uniformity of the temperature within the entire refrigerating room.

IPC 8 full level  
**F25D 17/06** (2006.01)

CPC (source: EP)  
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Citation (search report)  

- [I] JP 2001108347 A 20010420 - SHARP KK
- [A] DE 202005009581 U1 20051013 - GEIGER JOHANN [DE]
- [A] US 2008202149 A1 20080828 - LIM JAE HOON [KR], et al
- See references of WO 2010029728A1

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