

Title (en)
REFRIGERATOR WITH NOISE REDUCTION SYSTEM

Title (de)
KÜHLSCHRANK MIT LÄRMMINDERUNGSSYSTEM

Title (fr)
REFRIGERATEUR AVEC SYSTEME DE REDUCTION DU BRUIT

Publication
EP 1604159 A1 20051214 (EN)

Application
EP 04714991 A 20040226

Priority
• SE 2004000267 W 20040226
• SE 0300646 A 20030310

Abstract (en)
[origin: WO2004081473A1] The present invention relates to a refrigerator and/or freezer cabinet comprising an outer shell (10), an inner shell and at least one cooling system having at least one evaporator, at least one compressor and at least one condenser (13) between which a cooling agent is circulated through a cooling tube. Each of said evaporators is being positioned inside a cabinet space, said compressor being positioned in a compressor space (16) and at least one of said condensers (13) being mounted at the outer shell (10) on the rear side of said cabinet so that a condenser space is formed extending in a vertical direction between the outer shell (10) and the condenser (13). At least one opening of said compressor space (16) is substantially facing the rear side of said cabinet. In the present invention at least one covering plate (20) is being positioned at the rear side of said cabinet and at least partly covering said condenser, said plate (20) being mounted substantially in parallel with said rear side of the outer shell (10), sound absorbing means (21) being mounted between said plate (20) and said condenser (13).

IPC 1-7
F25D 23/00

IPC 8 full level
F25D 23/00 (2006.01)

CPC (source: EP)
F25D 23/006 (2013.01); **F25B 2500/12** (2013.01)

Citation (search report)
See references of WO 2004081473A1

Cited by
DE102012001569A1; US11441834B2; EP3532781A4

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

DOCDB simple family (publication)
WO 2004081473 A1 20040923; AT E485485 T1 20101115; CN 2837748 Y 20061115; DE 602004029656 D1 20101202;
EP 1604159 A1 20051214; EP 1604159 B1 20101020; JP 3129225 U 20070215; SE 0300646 D0 20030310

DOCDB simple family (application)
SE 2004000267 W 20040226; AT 04714991 T 20040226; CN 200490000007 U 20040226; DE 602004029656 T 20040226;
EP 04714991 A 20040226; JP 2006600009 U 20040226; SE 0300646 A 20030310