

Title (en)

Electronic cooling type refrigerator

Title (de)

Kühlgerät mit elektronischer Kühlung

Title (fr)

Réfrigérateur du type refroidissement électronique

Publication

EP 0645593 B1 19970910 (EN)

Application

EP 94115141 A 19940926

Priority

JP 24077493 A 19930928

Abstract (en)

[origin: EP0645593A1] An electronic cooling type refrigerator of the invention is basically formed of an electronic type thermo-module (3) in a plain plate shape, which is installed in an insulating housing (1) to cool an inside of the housing by utilizing Peltier effect of the thermo-module (3). The refrigerator further includes a heat absorbing member (4) with fins situated inside the housing and heat- conductively connected to a heat absorbing side of the thermo- module (3), and an inner fan (9) situated inside the housing for forcibly supplying air in the housing (1) toward the fins of the heat absorbing member arranged in rows. The refrigerator is improved in cooling ability and is handled easily. <IMAGE>

IPC 1-7

F25B 21/02; F25D 11/00

IPC 8 full level

F25D 17/06 (2006.01); **F25B 21/02** (2006.01); **F25D 11/00** (2006.01); **F25D 21/14** (2006.01); **F28D 15/02** (2006.01)

CPC (source: EP)

F25B 21/02 (2013.01); **F28D 15/0275** (2013.01); **F25B 2321/0251** (2013.01); **F25D 11/00** (2013.01)

Cited by

EP0843137A1; EP2177849A1; CN102216706A; EP0851186A3; US2018206550A1; US6003319A; EP0856137A4; WO2010047590A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0645593 A1 19950329; **EP 0645593 B1 19970910**; DE 69405504 D1 19971016; DE 69405504 T2 19980205; JP H0791796 A 19950404

DOCDB simple family (application)

EP 94115141 A 19940926; DE 69405504 T 19940926; JP 24077493 A 19930928