

Title (en)
Refrigerator and control method thereof

Title (de)
Kühlschrank und zugehöriges Steuerungsverfahren

Title (fr)
Réfrigérateur et son procédé de commande

Publication
EP 2416095 A2 20120208 (EN)

Application
EP 11174772 A 20110721

Priority
KR 20100074683 A 20100802

Abstract (en)
A control method includes determining whether to perform a defrosting operation of an evaporator, closing a valve to prevent refrigerant from moving into the evaporator if implementation of the defrosting operation is determined, performing a refrigerant collecting operation, and opening the valve upon completion of the defrosting operation. Intercepting a flow path of the refrigerant to prevent the refrigerant from moving into the evaporator during defrosting prevents explosion due to leakage of the refrigerant.

IPC 8 full level
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F25B 5/00 (2013.01 - KR); **F25B 5/04** (2013.01 - KR); **F25D 11/022** (2013.01 - EP KR US); **F25D 19/00** (2013.01 - KR); **F25D 21/06** (2013.01 - KR); **F25D 21/08** (2013.01 - EP KR US); **F25D 29/00** (2013.01 - KR); **F25B 5/00** (2013.01 - EP US); **F25B 5/04** (2013.01 - EP US); **F25B 2400/01** (2013.01 - EP US); **F25B 2400/12** (2013.01 - EP US); **F25B 2400/19** (2013.01 - EP US); **F25B 2600/2519** (2013.01 - EP US)

Cited by
DE102019112093A1; CN104501442A; CN104634018A; CN105135730A; EP3128262A1; CN106403466A; US11441820B2; US10627143B2; US11885543B2; WO2021046107A1; EP3859255B1

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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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