

Title (en)
Multi-evaporator refrigerator

Title (de)
Mehrfachverdampferkühlschrank

Title (fr)
Réfrigérateur à évaporateurs multiples

Publication
EP 2538156 A2 20121226 (EN)

Application
EP 12171812 A 20120613

Priority
US 201113165995 A 20110622

Abstract (en)
A refrigeration system for a refrigerator having a freezer compartment (13), a fresh food compartment (8), an icemaker (50) in the fresh food compartment (8) includes distinct freezer (96), fresh food (130) and icemaker evaporators (115) and associated valving operating in conjunction with a common compressor (65) and condenser (75) in order to effectively regulate temperatures in specified zones of the refrigerator throughout various operational modes including at least a freezer cooling mode, a fresh food cooling mode and an ice harvesting mode. The icemaker (115) can be serially linked with the fresh food evaporator (130) during cooling of the fresh food compartment (8), while being also being selectively isolated for the ice harvesting mode.

IPC 8 full level
F25B 5/00 (2006.01); **F25D 11/02** (2006.01); **F25B 47/02** (2006.01)

CPC (source: EP US)
F25B 5/00 (2013.01 - EP US); **F25D 11/022** (2013.01 - EP US); **F25B 47/022** (2013.01 - EP US); **F25B 2400/0409** (2013.01 - EP US); **F25C 2400/10** (2013.01 - EP US)

Cited by
CN107702405A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2538156 A2 20121226; BR 102012017783 A2 20131022; US 2012324918 A1 20121227

DOCDB simple family (application)
EP 12171812 A 20120613; BR 102012017783 A 20120621; US 201113165995 A 20110622