

Title (en)
Refrigerator

Title (de)
Kühlschrank

Title (fr)
Réfrigérateur

Publication
EP 2565565 A2 20130306 (EN)

Application
EP 12182186 A 20120829

Priority
• KR 20110087500 A 20110831
• KR 20110093657 A 20110916

Abstract (en)
A refrigerator is provided. The refrigerator may include a sub hinge connecting a main door to a sub door, and a main hinge connecting the main door to a main body of the refrigerator. The sub hinge is not connected to the main hinge, to prevent interference during door movement and to minimize leakage of cool air. A single latch assembly may allow both the main door and the sub door to be smoothly opened and secured, to reduce manufacturing costs and enhance reliability with respect to a simultaneous operation of the latch.

IPC 8 full level
F25D 23/02 (2006.01); **E05B 63/14** (2006.01); **E05C 3/24** (2006.01); **E05C 7/02** (2006.01)

CPC (source: EP US)
E05B 63/14 (2013.01 - EP US); **E05C 3/24** (2013.01 - EP US); **E05C 7/02** (2013.01 - EP US); **F25D 23/028** (2013.01 - EP US); **F25D 23/025** (2013.01 - EP US)

Cited by
WO2014200315A1; EP3071909A4; EP3008409A4; KR20160021187A; KR20210046859A; US10281194B2; US11078697B2; EP3396092A1; RU2717892C2; EP2869007A3; EP3690364A1; EP3964776A1; KR20160019489A; EP3619384A4; KR20210047963A; EP3851777A1; KR20220148338A; WO2014200316A1; US9841222B2; US9920557B2; US9568239B2; US9625204B2; KR20160020446A; KR20160021139A; EP3182042A1; CN106895638A; KR20210046866A; KR20210046867A; KR20210148419A; EP3985336A1; KR20220138416A; EP2886982A1; AU2014277716B2; EP3333518A1; EP3608614A1; EP4098962A1; US9518777B2; US9759477B2; WO2014200318A1; US10371435B2; US11009285B2; EP2913609B1; EP3674634B1

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 2565565 A2 20130306; **EP 2565565 A3 20140723**; CN 102967107 A 20130313; JP 2013053843 A 20130321; US 2013049562 A1 20130228

DOCDB simple family (application)
EP 12182186 A 20120829; CN 201210309414 A 20120828; JP 2012179782 A 20120814; US 201213592478 A 20120823