

Title (en)  
REFRIGERATOR

Title (de)  
KÜHLSCHRANK

Title (fr)  
RÉFRIGÉRATEUR

Publication  
**EP 4273483 A4 20240529 (EN)**

Application  
**EP 21914641 A 20211230**

Priority  
• CN 202110002325 A 20210104  
• CN 2021143132 W 20211230

Abstract (en)  
[origin: EP4273483A1] The present invention provides a refrigerator, comprising: a cabinet defining a chilling compartment; a door body movably connected to the cabinet and configured to open and close the chilling compartment, the door body comprises a door shell and a door liner engaged with the door shell, the door liner extending at least partially into the chilling compartment when the door body is closed; a refrigerating system for providing cold to said chilling compartment; an ice-making chamber defined by the door liner, the ice-making chamber accommodating an ice-making assembly, the ice-making chamber being thermally insulated from the chilling compartment when the door body is closed; wherein the door body is provided with a heat exchanger connected to the refrigerating system, and a refrigerant pipe and a liquid storage bag which are connected to the heat exchanger, a pipeline of the refrigerating system is connected to the heat exchanger through a hinge of the door body, the refrigerant pipe comprises a direct cooling section in contact with the ice-making assembly, and the refrigerant from the refrigerating system passes through the heat exchanger, the liquid storage bag and the direct cooling section in turn, and then returns from the heat exchanger to the refrigerating system, and the heat exchanger and the liquid storage bag are disposed between the door liner and the door shell.

IPC 8 full level  
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Citation (search report)  
• [Y] CN 211823365 U 20201030 - QINGDAO HAIER REFRIGERATOR CO LTD, et al  
• [Y] CN 110567214 A 20191213 - QINGDAO HAIER REFRIGERATOR CO LTD, et al  
• See also references of WO 2022143910A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 4273483 A1 20231108**; **EP 4273483 A4 20240529**; AU 2021413536 A1 20230720; AU 2021413536 A9 20240718; AU 2021413536 B2 20240208; CN 114719517 A 20220708; CN 114719517 B 20230714; WO 2022143910 A1 20220707

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