

Title (en)
ASSISTING HANDLE AND REFRIGERATOR HAVING SAME

Title (de)
HILFSGRIFF UND KÜHLSCHRANK DAMIT

Title (fr)
POIGNÉE D'ASSISTANCE ET RÉFRIGÉRATEUR LA COMPORTANT

Publication
EP 4006463 A4 20220914 (EN)

Application
EP 19939510 A 20191015

Priority
• CN 201910699038 A 20190731
• CN 2019111174 W 20191015

Abstract (en)
[origin: EP4006463A1] The present invention provides an assist handle and a refrigerator, the assist handle comprises: a handle bar disposed on the front side of the door body; a rotation shaft pivoted to the handle bar; a guide groove disposed in the door body and running through the door body; a push rod running through the guide groove, a distal end of the push rod being close to a cabinet of the refrigerator, and a proximal end of the push rod being close to a front end of the handle bar; and a resistance structure disposed on a side of the push rod and comprising a first tooth-like structure and a second tooth-like structure that mesh with each other, the first tooth-like structure being engaged with the push rod; wherein the handle bar rotates about the rotation shaft, the front end of the handle bar pushes against the proximal end of the push rod, the push rod slides in the guide groove, the distal end of the push rod pushes against the cabinet of the refrigerator, and the push rod drives the first tooth-like structure to move relative to the second tooth-like structure. The movement of the first tooth-like structure relative to the second tooth-like structure is used to form a rotation resistance, enhance the door-opening comfort, and reduce the noise caused by the return of the handle bar.

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[I] CN 109403717 A 20190301 - TCL HOME APPLIANCES HEFEI CO LTD

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

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