

Title (en)

WATER PUMP, COLD WATER STORAGE TANK AND WATER DISPENSER

Title (de)

WASSERPUMPE, KALTWASSERVORRATSBEHÄLTER UND WASSERSPENDER

Title (fr)

POMPE À EAU, RÉSERVOIR DE STOCKAGE D'EAU FROIDE ET DISTRIBUTEUR D'EAU

Publication

EP 4187098 A1 20230531 (EN)

Application

EP 22189671 A 20220810

Priority

- CN 202111455448 A 20211130
- CN 202122995514 U 20211130

Abstract (en)

Disclosed are a water pump, a cold water storage tank and a water dispenser. The water pump includes a pump body, a pump head, an isolation shell and an impeller assembly. The pump body includes a drive assembly. The pump head includes a water inlet pipe and a water outlet pipe communicating with the water inlet pipe. The isolation shell is provided between the pump body and the pump head. The impeller assembly is provided in the water inlet pipe. The drive assembly is magnetically connected to the impeller assembly to drive the impeller assembly to rotate in the water inlet pipe.

IPC 8 full level

F04D 3/00 (2006.01); **A47J 31/46** (2006.01); **A47J 31/50** (2006.01); **B67D 1/10** (2006.01); **F04D 3/02** (2006.01); **F04D 13/02** (2006.01); **F04D 13/16** (2006.01); **F04D 29/10** (2006.01); **F04D 29/40** (2006.01); **F25D 31/00** (2006.01)

CPC (source: EP)

B67D 1/10 (2013.01); **F04D 3/005** (2013.01); **F04D 3/02** (2013.01); **F04D 13/024** (2013.01); **F04D 13/025** (2013.01); **F04D 13/16** (2013.01); **F04D 29/106** (2013.01); **F04D 29/406** (2013.01); **F25D 23/126** (2013.01); **F25D 31/003** (2013.01)

Citation (search report)

- [XA] US 6119462 A 20000919 - BUSICK LOUIS M [US], et al
- [XI] GB 2167845 A 19860604 - S I COOLERS LTD
- [X] CN 102112026 A 20110629 - KEURIG INC
- [A] DE 7515891 U 19750904
- [A] GB 2307975 A 19970611 - BOOTH DISPENSERS [GB]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4187098 A1 20230531

DOCDB simple family (application)

EP 22189671 A 20220810