

Title (en)

CHECK VALVE ASSEMBLY WITH IMPROVED SAFETY FOR USE IN A WATER DISPENSER AND REFRIGERATION APPLIANCE HAVING THE SAME

Title (de)

RÜCKSCHLAGVENTILBAUGRUPPE MIT VERBESSERTER SICHERHEIT ZUR VERWENDUNG IN EINEM WASSERSPENDER UND KÜHLVORRICHTUNG DAMIT

Title (fr)

ENSEMBLE DE CLAPET ANTI-RETOUR À SÉCURITÉ AMÉLIORÉE POUR SON UTILISATION DANS UN DISTRIBUTEUR D'EAU, ET APPAREIL DE RÉFRIGÉRATION LE COMPORTANT

Publication

EP 3123088 B1 20191106 (EN)

Application

EP 14713478 A 20140328

Priority

EP 2014056332 W 20140328

Abstract (en)

[origin: WO2015144244A1] The present invention relates to a check valve assembly (1) for use in a water dispenser (2) of the refrigeration appliances, in particular a domestic refrigerators. In the check valve assembly (1) of the present invention, a leading end (9) of a shaft (7) has a first groove (13) and a second groove (15) which respectively support an elastic first sealing element (12) and a snap-ring element (14).

IPC 8 full level

F25D 23/12 (2006.01); **B67D 3/02** (2006.01); **B67D 3/04** (2006.01); **F16K 31/58** (2006.01)

CPC (source: EP)

B67D 3/0025 (2013.01); **B67D 3/043** (2013.01); **F25D 23/126** (2013.01); **F25D 2323/122** (2013.01); **F25D 2331/806** (2013.01)

Citation (examination)

- KR 20120072763 A 20120704 - DAEWOO ELECTRONICS CORP [KR]
- CN 102374715 A 20120314 - HAIER GROUP CO LTD, et al
- US 5405058 A 19950411 - KALIS RUSSELL A [US], et al

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

DOCDB simple family (publication)

WO 2015144244 A1 20151001; EP 3123088 A1 20170201; EP 3123088 B1 20191106; PL 3123088 T3 20200601; TR 201503610 A2 20161021

DOCDB simple family (application)

EP 2014056332 W 20140328; EP 14713478 A 20140328; PL 14713478 T 20140328; TR 201503610 A 20150325