

Title (en)

Pretreating dispensing device

Title (de)

Spendevorrichtung zur Vorbehandlung

Title (fr)

Dispositif distributeur pour prétraitement

Publication

EP 0679751 B2 20020109 (EN)

Application

EP 94870073 A 19940427

Priority

EP 94870073 A 19940427

Abstract (en)

[origin: EP0679751A1] The present invention relates to a pretreatment device (10) for liquid detergent. The pretreatment means comprises an orifice (14) and a ball (16). Said ball is able to freely rotate in any direction. This results in a more evenly spreading of the liquid detergent. <IMAGE>

IPC 1-7

D06F 39/02

IPC 8 full level

B65D 83/00 (2006.01); **D06F 39/02** (2006.01)

CPC (source: EP US)

D06F 39/024 (2013.01 - EP US)

Cited by

GB2499015A; GB2499017A; EP0931870A1; GB2349649A; GB2349649B; WO2012140416A1; WO0020676A1; WO2004018760A1; WO0063482A1; WO9937849A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0679751 A1 19951102; EP 0679751 B1 19980715; EP 0679751 B2 20020109; AT E168420 T1 19980815; DE 69411707 D1 19980820; DE 69411707 T2 19990204; DE 69411707 T3 20020912; DK 0679751 T3 19981102; DK 0679751 T4 20020311; ES 2119140 T3 19981001; ES 2119140 T5 20020716; JP H09512230 A 19971209; MX 9605072 A 19970830; WO 9529121 A1 19951102

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EP 94870073 A 19940427; AT 94870073 T 19940427; DE 69411707 T 19940427; DK 94870073 T 19940427; ES 94870073 T 19940427; JP 52770995 A 19950418; MX 9605072 A 19950418; US 9504739 W 19950418