

Title (en)
Detergent dispenser for a dish washer.

Title (de)
Reinigungsmittelspender für Geschirrspülmaschine.

Title (fr)
Distributeur de détergent pour lave-vaisselle.

Publication
EP 0010049 A1 19800416 (FR)

Application
EP 79400729 A 19791010

Priority
FR 7828986 A 19781011

Abstract (en)
1. A detergent distributing device cyclically controlled by a programme switch, comprising a detergent receptacle (1) which is partitioned by a wall into a rinse and hold compartment (2) closing position and which is manually movable into its rinse compartment (3) closing position where it is held by a locking means which may be unlocked under the action of a magnetic coil (18) the energization of which under the control of the programme switch causes the compartment (3) to be opened, wherein a disk (8) which forms a cam disk is connected nonrotatably to the cover (5) and is disposed to lie adjacent the bottom face of the distributing device, characterized in that said device comprises a guide groove (9) formed in the disk (8) and consisting of a semicircular groove (9a) in coaxial relationship with the axis of rotation (6) of this cover, said groove (9a) being extended by an inclined groove (9b) approaching said axis of rotation, said groove (9) further including a block (15) slidable therein and being fixedly connected to a lever (13) which is rotatable about an axis (14) fixed relative to the distributing device and carrying an armature (16) which cooperates with a permanent magnet (17) and permits pressing of said armature (16) against said magnet (17) upon manual rotation of the cover (5), whereupon the energization of the magnetic coil (18), which is controlled by the programme switch, produces a magnetic field which neutralizes the magnetic field of the magnet (17) and thus releases the armature (16).

Abstract (fr)
Distributeur de détergent ayant deux compartiments pour détergent prélavage et lavage et un couvercle semi-circulaire pivotant, fermant alternativement ces deux compartiments, caractérisé en ce qu'il comprend au moins un disque (8) à rainure (9), solidaire en rotation du couvercle semi-circulaire (5) et constamment rappelé dans le sens de fermeture du compartiment prélavage (2) par un ressort (11), et un levier pivotant (13) pourvu d'un plot (15) coulissant dans la rainure (9) de ce disque (8) et d'une armature (16) maintenue par un aimant permanent (17) dont l'effet peut être annulé par le champ magnétique d'une bobine (18) mise sous tension par un programmeur. Dans ce distributeur, le blocage en position du couvercle (5) est obtenu par une coopération entre un coincement entre plot (15) et rainure (9) du disque (8) et un maintien par armature (16) et aimant (17). Application au distributeur de détergent pour lave-vaisselle.

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A47L 15/44

IPC 8 full level
A47L 15/44 (2006.01)

CPC (source: EP)
A47L 15/4409 (2013.01)

Citation (search report)
• DE 1983655 U 19680418 - NEFF WERKE CARL NEFF G M B H B [DE]
• FR 2170883 A1 19730921 - EUROP MANUFACT TRUST [CH]
• US 4009801 A 19770301 - WILLIAMS RICHARD B

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