

## Title (en)

Swinging door for a household apparatus, which is permanently returned to a halfopened position.

## Title (de)

Kipptür eines Haushaltsgerätes, welche stets in eine halbgeöffnete Stellung zurückkehrt.

## Title (fr)

Appareil ménager à porte pivotante, rappelée en permanence vers sa position entrouverte.

## Publication

**EP 0014114 A1 19800806 (FR)**

## Application

**EP 80400032 A 19800111**

## Priority

FR 7901338 A 19790119

## Abstract (en)

1. A household equipment comprising a casing (1) and a door (2) swivelling around an axis (15) which is fixed to the chassis, this door being drawn in permanence into its semi-open position by a return-spring (3) which is loaded in tension and one end of which is fixed to said swivelling door while the other end is fixed to one end of an element which is articulated around an axis integral with the equipment chassis, characterized in that the articulated element is a lever (6) which swivels in its central zone around the axis (13), and that it comprises a stop (14) which is integral with the chassis (1) and which creates in cooperation with the second free end of the lever (6) a limitation of its rotation and for any door (2) position between the closed and the semi-open position, a tension of the spring (3) drawing said door into said semi-open position which constitutes the equilibrium position of the door (2), the distance between the swivel axis (15) of the door (2) and that end (4) of the spring (3) which is attached to the door (2) being then the shortest distance.

## Abstract (fr)

Appareil ménager (1) à porte pivotante (2) tels que machine à laver la vaisselle, cuisinière, four. Cette porte pivotante (2) doit être en permanence rappelée vers sa position d'entrouverture par un ressort de rappel (3) dont l'une des extrémités est attachée à cette porte. Dans la solution revendiquée, ont été décrits un levier en L (6) pivotant autour d'un axe (13) solidaire du châssis de l'appareil et ayant une extrémité reliée à la deuxième extrémité de ce ressort (3), et une butée (14) solidaire de ce châssis, créant avec la coopération de la deuxième extrémité libre de ce levier en L, et pour toute autre position de cette porte que celle correspondant à sa position d'entrouverture, une tension de ce ressort (3).

## IPC 1-7

**E05F 1/10**; **A47L 15/42**; **F24C 15/02**

## IPC 8 full level

**A47L 15/42** (2006.01); **E05F 1/10** (2006.01); **F24C 15/02** (2006.01)

## CPC (source: EP)

**A47L 15/4261** (2013.01); **E05F 1/1075** (2013.01); **F24C 15/023** (2013.01); **E05Y 2900/304** (2013.01); **E05Y 2900/308** (2013.01)

## Citation (search report)

- US 3921252 A 19751125 - GUTH LAUREN W
- DE 1287769 B
- US 3450125 A 19690617 - HOPKINS LELAND G

## Cited by

US5980006A; EP0551234A1; FR2686120A1; EP0632180A1; EP0541974A1

## Designated contracting state (EPC)

DE GB IT SE

## DOCDB simple family (publication)

**EP 0014114 A1 19800806**; **EP 0014114 B1 19840822**; DE 3068984 D1 19840927; ES 254318 U 19820716; ES 254318 Y 19830201; FR 2446915 A1 19800814; FR 2446915 B1 19830415; YU 10780 A 19830228; YU 39872 B 19850430

## DOCDB simple family (application)

**EP 80400032 A 19800111**; DE 3068984 T 19800111; ES 254318 U 19800117; FR 7901338 A 19790119; YU 10780 A 19800117