

Title (en)

Apparatus for detecting the presence of dishes in the basket of a dishwashing machine

Title (de)

Vorrichtung zum Erkennen der Anwesenheit von Geschirr in dem Geschirrkorb einer Geschirrspülmaschine

Title (fr)

Dispositif pour détecter la présence de vaisselle dans le panier d'un lave-vaisselle

Publication

EP 0717953 A1 19960626 (EN)

Application

EP 95830529 A 19951220

Priority

IT MI942608 A 19941222

Abstract (en)

An apparatus for detecting the presence of dishes in the baskets (1, 2) of a dishwashing machine includes mobile profiles (5) pivoted to the structure of the baskets and resiliently kept in such a position as to require the displacement thereof in order to introduce the dishes in the baskets, said mobile profiles (5) being provided with end portions (7) extending upto the rear wall, and also includes a plurality of sensors located behind said wall along the travel of the end portions (7) and capable to detect the position thereof. The lower basket (2) also includes removable inserts (4) provided with an end portion (8) at which a further sensor is located which is capable to detect the presence of the insert (4). The sensors consist of electric circuits capable to detect, and transform into electric signals, the displacements of magnetic elements contained in the end portions (7, 8), said sensors being preferably reed relays. Several different possible arrangements of the crockery load are obtained from the combination of the signals from the sensors, thus allowing the automatic selection of the most suitable washing cycle. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

A47L 15/4295 (2013.01); **A47L 15/505** (2013.01)

Citation (search report)

- [A] DE 2701879 A1 19780720 - KINNE REINHARD
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 236 (C - 0720) 18 May 1990 (1990-05-18)

Cited by

EP0962183A1; KR20160020334A; EP2030556A1; US11103119B2; EP2510863A1; EP1192892A1; CN107865625A; EP2984979A1; CN105361833A; US9545185B2; US9901240B2; US7935194B2

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