

Title (en)

A device for proportionally metering a liquid detergent for industrial and professional dish washers

Title (de)

Vorrichtung zur Proportionaldosierung von flüssigem Waschmittel in gewerblichen Geschirrspülmaschinen

Title (fr)

Dispositif pour doser proportionnellement un détergent liquide dans les lave-vaisselle industriels ou professionnels

Publication

**EP 1059059 A3 20020424 (EN)**

Application

**EP 00830111 A 20000217**

Priority

IT RM990368 A 19990608

Abstract (en)

[origin: EP1059059A2] A device for metering a liquid detergent for a dish washer (DW), particularly an industrial or professional dish washer, including in combination: (a) a line for feeding wash water (P1, P2), constituting a water inlet into the dish washer; (b) liquid detergent pumping means (4) to let in (8, 9) a liquid detergent into the wash water, including in combination: (i) fluid throughput sensing means (1), intended to be inserted into said line for feeding wash water; (ii) programmable data processing and control means (3) for controlling (7) said liquid detergent pumping means (4) programmed for controlling said liquid detergent pumping means (4) to let in (9) a liquid detergent into the wash water in a manner proportional to the throughput of the water inlet into the dish washer, and (iii) signal transfer means for communicating (7) fluid throughput data sensed (5, 6) by said fluid throughput sensing means (1) to said programmable data processing and control means (3) for controlling said liquid detergent pumping means (4). <IMAGE>

IPC 1-7

**A47L 15/44**

IPC 8 full level

**A47L 15/44** (2006.01)

CPC (source: EP)

**A47L 15/4418** (2013.01)

Citation (search report)

- [X] GB 2312419 A 19971029 - CHEM CONTROLS LTD [GB]
- [DX] US 5014211 A 19910507 - TURNER JAMES R [US], et al

Cited by

FR2871406A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1059059 A2 20001213; EP 1059059 A3 20020424; EP 1059059 B1 20040414;** AT E264084 T1 20040415; DE 60009790 D1 20040519; DE 60009790 T2 20050331; IT 1306705 B1 20011002; IT RM990368 A0 19990608; IT RM990368 A1 20001208

DOCDB simple family (application)

**EP 00830111 A 20000217;** AT 00830111 T 20000217; DE 60009790 T 20000217; IT RM990368 A 19990608