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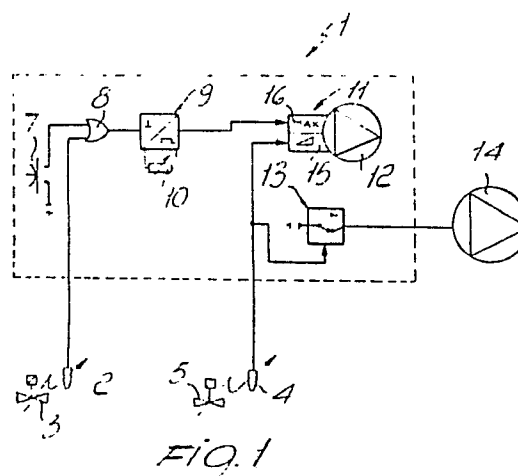
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54 **Device for adjusting the metering of liquid and/or powder detergent or the like, particularly for industrial dishwashers.**

57 A device is described for adjusting metering of liquid and or powder detergent, particularly for industrial dishwashers, which is reliable, economical, and does not require frequent maintenance of its components. The device comprises at least one sensor (2, 4) connected with the electric valve (3, 5) which controls the inflow of the water and is sensitive to the magnetic field generated by the latter during opening. The sensor, which is normally open, is closed by the magnetic field associated with the electric valve, and controls a suitable driving circuit (12) for the liquid detergent metering pump, or for a powder detergent metering system (14). The sensor is associated with a suitable electronic holding circuit, which keeps the same sensor closed during water supply, eliminating disturbing external influences.





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# EUROPEAN SEARCH REPORT

Application Number

EP 86 11 2381

| DOCUMENTS CONSIDERED TO BE RELEVANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                            |                                                   |                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------|
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Citation of document with indication, where appropriate, of relevant passages                                                                                              | Relevant to claim                                 | CLASSIFICATION OF THE APPLICATION (Int. Cl.4)                        |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | HYDRAULIC PNEUMATIC POWER.<br>April 1967, MORDEN GB<br>page 187 - 190; J.R.FAWCETT;<br>"PNEUMATICS AND THE REED SWITCH"<br>* page 189, right-hand column; figures 10, 11 * | 1                                                 | A47L15/44                                                            |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ---                                                                                                                                                                        | 2, 3                                              |                                                                      |
| Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-A-3680784 (FAKES)<br>* the whole document *                                                                                                                             | 1                                                 |                                                                      |
| X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                            | 8                                                 |                                                                      |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                            | 6                                                 |                                                                      |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-A-4076146 (LAUSBERG)<br>* the whole document *                                                                                                                          | 5-7                                               |                                                                      |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FR-A-2395004 (ODEV S.A.)<br>* the whole document *                                                                                                                         | 5-7                                               | TECHNICAL FIELDS<br>SEARCHED (Int. Cl.4)<br><br>A47L<br>D06F<br>F16K |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | FR-A-2486793 (BOSCH-SIEMENS)<br>* the whole document *                                                                                                                     | 1, 3                                              |                                                                      |
| The present search report has been drawn up for all claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                            |                                                   |                                                                      |
| Place of search<br>THE HAGUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                            | Date of completion of the search<br>19 APRIL 1989 | Examiner<br>SCHARTZ J.                                               |
| CATEGORY OF CITED DOCUMENTS<br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document<br>T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>I : document cited for other reasons<br>& : member of the same patent family, corresponding document |                                                                                                                                                                            |                                                   |                                                                      |