

Title (en)

Apparatus for controlling the supply of liquid detergents in a washing machine, particularly a laundry washing machine.

Title (de)

Vorrichtung zum Steuern der Zufuhr von Flüssigwaschmitteln in einer Waschmaschine.

Title (fr)

Dispositif pour commander l'admission de détergents liquides dans une machine à laver.

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EP 0331149 A2 19890906 (EN)

Application

EP 89103592 A 19890301

Priority

IT 4570888 A 19880302

Abstract (en)

Described is an apparatus for controlling the supply of liquid detergents to the tub of a laundry washer, adapted to establish preselected detergent concentrations in the water admitted to the tub. The apparatus comprises an electronic comparator (15) for comparing a preselected reference voltage generated by a control circuit (21) adjusted to a value corresponding to the degree of hardness of the water, to a voltage generated by one of two integrator circuits (17, 18) each having a different time constant, said integrator circuit being selected by an electric contact (10) of the programme timing control unit (6) of the machine for energizing or deenergizing a liquid detergent metering pump (12) via a pilot stage (13) connected to said comparator (15). Also described are two alternative embodiments of the invention.

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Cited by

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EP 0331149 A2 19890906; **EP 0331149 A3 19900214**; **EP 0331149 B1 19930107**; DE 68904210 D1 19930218; DE 68904210 T2 19930506; ES 2037891 T3 19930701; IT 1220742 B 19900621; IT 8845708 A0 19880302

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