

Title (en)

A WASHING MACHINE WITH IMPROVED LONGTERM RELIABILITY AND SAFETY

Title (de)

WASCHMASCHINE MIT VERBESSERTER LANGZEITZUVERLÄSSIGKEIT UND SICHERHEIT

Title (fr)

MACHINE À LAVER AYANT UNE MEILLEURE SÉCURITÉ ET UNE MEILLEURE FIABILITÉ À LONG TERME

Publication

EP 3238599 B1 20181226 (EN)

Application

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Priority

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Abstract (en)

[origin: EP3238599A1] The invention relates to a heating unit (8) for a washing machine (1) comprising a casing (22), a pump (20) for pumping a washing liquid through the casing (22), a fuse (36), a thermally conductive element (30) for transferring heat to the washing liquid in the casing (22) and a temperature regulator (34) capable of supplying energy in the form of heat to the thermally conductive element (30), if a target temperature of the thermally conductive element (30) is below a first temperature limit. The fuse (36) and the temperature regulator (34) are arranged thermally conductive with the thermally conductive element (30), the fuse (36) being electrically connected to the temperature regulator (34) and configured to trigger and stop the energy supply to the temperature regulator (34), if a trigger temperature of the fuse (36) is reached by the thermally conductive element (30). The heating unit (8) comprises a electronic temperature sensing device (38) being electrically connected to the fuse (36) and the temperature regulator (34), said electronic temperature sensing device (38) being arranged thermally conductive with the thermally conductive element (30) and to detect and record the temperature of the thermally conductive element (30) over time in order to provide information about the operating condition of the washing machine.

IPC 8 full level

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CPC (source: EP US)

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