

Title (en)
Ultrasonic laundry washing machine.

Title (de)
Maschine zum Waschen von Wäsche mittels Ultraschallschwingungen.

Title (fr)
Machine à laver le linge à ultrasons.

Publication
EP 0261363 A1 19880330 (EN)

Application
EP 87111344 A 19870805

Priority
IT 4574086 A 19860828

Abstract (en)
A laundry washing machine comprising a washing tub (3) and a rotatable drum (5), both made of a metallic material, and ultrasonic generator devices (10) of a conventional type associated to respective emitter elements (11) adapted to emit ultrasonic waves to thereby assist in the washing of the laundry. According to the invention the emitter elements (11) are attached to the inner wall surface of a window (9) in a door (8) of the machine at positions whereat they are covered by a washing liquid supplied to the tub (3), and directed towards the interior wall surfaces of the drum. The elements (11) are connected to the associated generator devices (10) by means of flexible electric conductors (14). This machine ensures efficient and uniform washing of the laundry.

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D06F 19/00

IPC 8 full level
D06F 19/00 (2006.01)

CPC (source: EP US)
D06F 19/00 (2013.01 - EP US)

Citation (search report)

- [AD] US 2468550 A 19490426 - FRUTH HAL F
- [AD] FR 1011575 A 19520624
- [A] US 4356640 A 19821102 - JANSSON CHRISTIAN
- [A] DE 2261275 A1 19740502 - SAN GIORGIO ELETTRODOMESTI
- [A] DE 1278981 B 19681003 - SIEMENS ELEKTROGERAETE GMBH
- [A] GB 628415 A 19490829 - GEN ELECTRIC CO LTD, et al

Cited by
FR2704245A1; US2013233030A1; CN111411472A; ES2110341A1; CN111118824A; CN113046985A; RU205742U1; GB2392923A; GB2392923B; DE4010705A1; CN113882113A; US11585040B2; CN106637818A; EP3910104A4; WO2010058293A3; WO2018141914A1; WO9412716A1

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