

Title (en)  
HEATING OF THE WASHING SOLUTIONS IN CLEANING MACHINES

Publication  
**EP 0202586 A3 19871216 (DE)**

Application  
**EP 86106513 A 19860514**

Priority  
DE 3518565 A 19850523

Abstract (en)  
[origin: ES8704223A1] A cleaning machine, such as a washing machine, is provided in the bottom region of its wet chamber with an outlet and an intake connected thereto immediately above a feed pump, adjacent to which a heating section with an electric heating element located outside the wet region is provided, in such a way that a circulating duct is formed which leads through the wet chamber, the outlet and back to the inlet to the inlet side of the feed pump, in which the washing solution is carried in circuit form under thermosiphonic effect, so that the washing solution is heated and portions of the cleaning agent added to the washing solution and which tend to sink are dissolved.

IPC 1-7  
**D06F 39/04**; **D06F 39/08**

IPC 8 full level  
**D06F 39/04** (2006.01); **D06F 39/08** (2006.01)

CPC (source: EP US)  
**D06F 39/04** (2013.01 - EP US); **D06F 39/086** (2013.01 - EP US)

Citation (search report)

- [X] FR 1374218 A 19641002 - SIEMENS ELEKTROGERAETE GMBH
- [X] DE 6604971 U 19700319
- [X] GB 658685 A 19511010 - CARLTON CLEGG
- [A] GB 477635 A 19380104 - HARRY ARTHUR NORMAN WHITE, et al
- [A] DE 1898429 U 19640813 - CONSTRUCTA WERKE GMBH [DE]
- [A] US 3378673 A 19680416 - HOPPER THOMAS O
- [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 107 (M-378)[1830], 11th Mai 1985; & JP-A-59 229 126 (FUSAMITSU NAKAMA) 22-12-1984

Cited by  
FR2641801A1; EP0299343A1

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**EP 86106513 A 19860514**; DE 3518565 A 19850523; ES 555214 A 19860522; US 86516386 A 19860520; YU 85886 A 19860522