

Title (en)
Limescale removing composition.

Title (de)
Zusammensetzung zum Entfernen von Kesselstein.

Title (fr)
Composition pour enlever le tartre.

Publication
EP 0496188 A1 19920729 (EN)

Application
EP 91870011 A 19910122

Priority
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Abstract (en)
Cleaning compositions for hard surfaces are described which comprise from 1% to 15% by weight of the total composition of a nonionic surfactant or mixtures thereof, and from 4% to 25% by weight of the total composition of maleic acid. The compositions have an pH as is of from 1.0 to 4.0. These compositions are effective in removing limescale from hard surfaces.

IPC 1-7
C11D 1/66; C11D 3/20

IPC 8 full level
C11D 1/72 (2006.01); **C11D 3/20** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP)
C11D 1/72 (2013.01); **C11D 3/2082** (2013.01)

Citation (search report)
• [AD] EP 0141395 A2 19850515 - HENKEL KGAA [DE]
• [A] GB 2156831 A 19851016 - KAO CORP
• [A] GB 2106927 A 19830420 - COLGATE PALMOLIVE CO [US]
• [A] EP 0089256 B1 19860903

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Designated contracting state (EPC)
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EP 91870011 A 19910122; AR 32166292 A 19920122; AT 91870011 T 19910122; BR 9205495 A 19920121; CA 2100096 A 19920121; DE 69128025 T 19910122; DK 91870011 T 19910122; ES 91870011 T 19910122; GR 970402530 T 19971023; JP 50619292 A 19920121; MX 9200253 A 19920121; TR 4092 A 19920117; US 9200250 W 19920121