

Title (en)
PROCESS FOR THE ULTRASONIC CLEANING OF HARD PARTS

Publication
EP 0305827 B1 19910102 (DE)

Application
EP 88113539 A 19880820

Priority
DE 3728771 A 19870828

Abstract (en)
[origin: EP0305827A1] The invention relates to a process for the cleaning of hard material surfaces by treatment with ultrasound in wetting aqueous surfactant-containing baths. An important point here is that, to speed up the detachment of soiling and/or to eliminate contaminants which cannot be detached, or only incompletely, at least before a final stage of acoustic irradiation, the surfaces to be cleaned are wetted so intensively with a surfactant-containing liquid phase that the residual air adhering in microdispersed distribution to the micro-structure of the surfaces and the soiled areas is dispelled, at least to a great extent.

IPC 1-7
B08B 3/12

IPC 8 full level
B08B 3/12 (2006.01); **C23G 1/24** (2006.01)

CPC (source: EP KR)
B08B 3/12 (2013.01 - EP KR)

Cited by
CN108212912A; CN102166575A; RU2749343C1; CN102153370A; EP0431431A3; CN104289495A; EP3187273A1; CN107023390A; US10569309B2; WO2009065449A3; TWI645916B

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 0305827 A1 19890308; EP 0305827 B1 19910102; DE 3728771 A1 19890309; DE 3861366 D1 19910207; JP H0192391 A 19890411; KR 890003456 A 19890414; ZA 886373 B 19890426

DOCDB simple family (application)
EP 88113539 A 19880820; DE 3728771 A 19870828; DE 3861366 T 19880820; JP 21474888 A 19880829; KR 880010946 A 19880827; ZA 886373 A 19880826