

Title (en)
SURFACE-CLEANING TOOL

Publication
EP 0114926 A3 19840905 (DE)

Application
EP 83108459 A 19830827

Priority
CH 42283 A 19830126

Abstract (en)
[origin: US4584736A] An apparatus for cleaning surfaces has a cleaning head which is designed to bear against a surface being cleaned. The cleaning head includes a discharge nozzle which is connected with a source of flowable cleaning material and is arranged to discharge such material against the surface being cleaned. A pair of shields is disposed about the discharge nozzle. The cleaning head further includes a suction nozzle which is connected with a source of suction and serves to remove contaminated cleaning material from the surface being cleaned. A brush is disposed between the discharge nozzle and the suction nozzle and functions to scrub the surface after the cleaning material has been applied thereto. The discharge nozzle, suction nozzle and brush are surrounded by a tubular sleeve which inhibits the escape of contaminated cleaning material so that virtually all such material is recovered via the suction nozzle.

IPC 1-7
A47L 11/30

IPC 8 full level
A47L 11/30 (2006.01)

CPC (source: EP US)
A47L 11/30 (2013.01 - EP US); **A47L 11/4036** (2013.01 - EP US); **A47L 11/4044** (2013.01 - EP US); **A47L 11/4075** (2013.01 - EP US);
A47L 11/4077 (2013.01 - EP US); **A47L 11/4088** (2013.01 - EP US)

Citation (search report)
• [X] FR 682697 A 19300531
• [AD] EP 0072985 A1 19830302 - GREMMINGER GOTTFRIED
• [A] US 4266317 A 19810512 - DUDA JOHN
• [A] GB 845991 A 19600824 - ATOMIC ENERGY AUTHORITY UK
• [A] GB 2007494 A 19790523 - CEMSTO BV

Cited by
FR2622816A1; GB2159696A; US4606092A; EP0244172A1; EP0434907A3; US5001806A; US4596061A; US9622635B2; WO0145854A1;
WO2012094231A1; US10070764B2

Designated contracting state (EPC)
AT BE DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0114926 A2 19840808; EP 0114926 A3 19840905; EP 0114926 B1 19861203; AT E23942 T1 19861215; CH 646044 A5 19841115;
DE 3368004 D1 19870115; US 4584736 A 19860429

DOCDB simple family (application)
EP 83108459 A 19830827; AT 83108459 T 19830827; CH 42283 A 19830126; DE 3368004 T 19830827; US 57386384 A 19840125