

Title (en)

Device to clean surfaces such as ceilings and walls.

Title (de)

Apparat zum Reinigen von Oberflächen, wie z.B. Decken und Wände.

Title (fr)

Appareil pour le nettoyage de surfaces, telles que plafonds et murs.

Publication

EP 0029401 A1 19810527 (FR)

Application

EP 80420126 A 19801113

Priority

- FR 7928516 A 19791114
- FR 8015321 A 19800707

Abstract (en)

1. Apparatus for cleaning surfaces, such as ceilings and walls, of the type comprising a cleaning roller (6) of flexible material, which has an axis parallel to the surface to be cleaned, is rotatably driven and supplied with cleaning fluid and on which there bears a drying roller (10) having an axis substantially parallel to that of the cleaning roller and made of a material which is harder than the latter, a tank (20) for recovering the cleaning fluid being provided and equipped with an evacuation duct for the latter, characterised in that it comprises : - a frame (1) which is mounted by means of a bracket (3) at the end of a handle (4) and serves to support two parallel rollers (5) which are arranged in the vicinity of two edges of the frame, are made of a material which is hard but has a good co-efficient of adhesion, are rotatably driven and are used to ensure the support of the apparatus and the movement thereof on the surface to be cleaned ; - a cleaning roller (6) which has an axis parallel to the rollers bearing on the surface to be cleaned, is disposed behind the latter rollers, is driven in the opposite direction thereto and is supplied with cleaning liquid by a distributor (8) which is parallel thereto ; and - a squeegee (18) of flexible material, which is disposed behind the cleaning roller and bears on the surface to be cleaned over the entire width of the apparatus.

Abstract (fr)

Cet appareil comprend un cadre dans lequel sont montés deux rouleaux (5) d'axes parallèles destinés à assurer l'appui et l'entraînement de l'appareil sur la surface à nettoyer et au moins un ensemble comprenant un rouleau de lavage (6) réalisé en un matériau semi-souple entraîné en sens inverse des autres rouleaux, une rampe (8) d'alimentation en liquide, un rouleau d'essorage (10) et un racloir souple (18) prenant appui sur la surface, le cadre portant, à sa partie inférieure, un bac (20) de récupération de liquide. Application au lavage de plafonds.

IPC 1-7

A47L 11/38

IPC 8 full level

A47L 11/38 (2006.01)

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Citation (search report)

- US 2857606 A 19581028 - CHARLES SPERKA
- DE 915548 C 19540722 - PAUL KIRCHHOF
- FR 2389358 A1 19781201 - ALPANA ALUMINUM PROD [US]
- DE 851472 C 19521006 - EBERLEIN GERHARD
- DE 1503865 A1 19690821 - ROST RUDOLF

Cited by

CN112141051A; CN107570469A; CN102835934A; CN101999872A; GB2310796A; CN111839380A; NL1014887C2; BE1014114A3; EP0359199A3; CN112869666A; WO9014787A1; WO9954063A1

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