

Title (en)

Cleaning chemical dispensing system

Title (de)

Verteilssystem für chemische Reinigungsprodukte

Title (fr)

Système de distribution de produits chimiques nettoyants

Publication

EP 1652462 A3 20100623 (EN)

Application

EP 05256715 A 20051028

Priority

- US 97610504 A 20041028
- EP 05250591 A 20050203
- GB 0521126 A 20051018
- EP 05256715 A 20051028

Abstract (en)

[origin: EP1652462A2] A cleaning chemical dispensing system comprising : a liquid chemical additive having a predetermined viscosity; a mop bucket (2); a mop wringer (6) provided on the mop bucket; a first indicator (2a) which indicates a first volume of cleaning liquid in the mop bucket; and a secondary reservoir (15) for the liquid chemical additive, the secondary reservoir (15) being at a position spaced above the first indicator (2a), and having a base (115), one or more upstanding walls (116) continuously contiguous with and fully surrounding the base (115), an opening (117) opposite the base (115) for pouring the liquid chemical additive into the secondary reservoir (15), a metering orifice (17) formed in the base (115), and a second indicator (118) indicating a second volume for the liquid chemical additive which corresponds to the first volume of the mop bucket (2) so as to provide a required ratio of liquid chemical additive to cleaning liquid, the metering orifice (17) being dimensioned to correspond to the predetermined viscosity of the liquid chemical additive, so that the liquid chemical additive can be poured into the secondary reservoir (15), via the opening (117), up to the second volume indicated by the second indicator (118) before any significant amount of the liquid chemical additive passes through the metering orifice (17).

IPC 8 full level

A47J 47/18 (2006.01); **A47L 13/58** (2006.01); **B01F 15/04** (2006.01)

CPC (source: EP)

A47L 13/58 (2013.01)

Citation (search report)

- [IPA] DE 202004018176 U1 20050324 - HALLBACH BERND [DE]
- [A] US 5092377 A 19920303 - KRUMBERGER FREDERICK J [US]
- [A] EP 0781524 A2 19970702 - VERMOP SALMON GMBH [DE]
- [A] EP 1358832 A1 20031105 - GAGLIANO LAURA [IT], et al

Cited by

CN105769082A; CN105796030A; ES2705743A1; CN105748011A; CN110944557A; EP2286706A4; US2020375226A1; CN113906179A; US11696591B2; WO2020243592A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1652462 A2 20060503; EP 1652462 A3 20100623; EP 1652462 B1 20111228

DOCDB simple family (application)

EP 05256715 A 20051028