

Title (en)

Variable-configuration broom for cleaning and/or washing floors.

Title (de)

Besen veränderbarer Gestalt für das Reinigen und/oder Waschen von Fussböden.

Title (fr)

Balai de configuration variable pour nettoyage et/ou lavage des planchers.

Publication

EP 0412060 A1 19910206 (EN)

Application

EP 90830339 A 19900719

Priority

IT 3381289 U 19890801

Abstract (en)

This invention relates to a "variable-configuration broom for cleaning and/or washing floors", of the type having a handle (12) and a supporting member for the cleaning and/or washing fibres (4), said member being coupled to the lower end of said handle, in which broom said support is made up of at least two members (1, 2, 3), of which members, in the embodiment comprising three members, one member is central (1), the handle (12) being coupled to the same, while the two other members are lateral (2, 3), the two lateral members (2, 3) being coupled respectively at one end substantially to the extremity of the central member (1), so that they can rotate about the coupling axis, taking thus two extreme positions, i.e., a closure position in which the size ratio of the width and the length of the support is close to unity, and an open position in which the support has a definitely elongated configuration.

IPC 1-7

A46B 7/02; **A47L 13/00**

IPC 8 full level

A46B 7/02 (2006.01); **A47L 13/00** (2006.01)

CPC (source: EP)

A46B 7/02 (2013.01); **A47L 13/00** (2013.01)

Citation (search report)

- [A] GB 168658 A 19210905 - TOM BASS O BRIEN
- [A] FR 2121458 A1 19720825 - BURET JEAN PIERRE, et al
- [A] US 2051058 A 19360818 - BENSON REPLOGLE DANIEL

Cited by

CN104042169A; EP3384806A4; CN104055468A; CN104083132A; EP1576902A3; US2017202347A1; US10028573B2; US6058551A; EP0933042A3; DE19617955A1; DE19617955C2; US11317705B2; US10750850B2; WO2017089631A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0412060 A1 19910206; IT 218364 Z2 19920505; IT 8933812 V0 19890801

DOCDB simple family (application)

EP 90830339 A 19900719; IT 3381289 U 19890801