

Title (en)

Hinge device for broomsticks and similar implements.

Title (de)

Gelenkvorrichtung für einen Besenstiel und gleichartigen Geräten.

Title (fr)

Moyen d'articulation pour balais et autres outils similaires.

Publication

EP 0430846 A1 19910605 (EN)

Application

EP 90500105 A 19901113

Priority

ES 8903398 U 19891115

Abstract (en)

It comprises a bushing (1), rotatable around its longitudinal axis, fitted on the bristle (14) backing (13) and projecting from the upper face thereof, one end (18) of the broomstick or similar implement being hingedly connected in said bushing (1), around an axis which is transverse to the bushing (1) rotation axis. Said rotatable bushing (1) is provided with a lobe (7), projecting from the upper face of the bristle backing (13), to which a yoke (25) is hingedly connected, said yoke (25) being attached to the end of the broomstick, around which an exterior sleeve (29) is fitted, axially slidable and biased by a spring (30) that tends to place it in a position encircling the yoke (25) and blocking its hinge relatively to the bushing lobe (7). It enables to gain access to zones otherwise difficult to reach with a broom or similar implement.

IPC 1-7

B25G 3/38

IPC 8 full level

B25G 3/38 (2006.01)

CPC (source: EP)

B25G 3/38 (2013.01)

Citation (search report)

- [X] US 1687953 A 19281016 - STARKS OBIE W
- [X] DE 894837 C 19531029 - WIMMER HERMANN
- [A] US 2893035 A 19590707 - WEAVER JOHN H, et al
- [A] US 4219899 A 19800902 - RICCIUTI GAETANO [US], et al
- [A] EP 0095733 A1 19831207 - LEIFHEIT INTERNATIONAL [DE]
- [A] FR 2409134 A1 19790615 - LELIEVRE ANDREE [FR]
- [A] DE 899033 C 19531207 - KOST WILHELM

Cited by

EP2394798A1; US7648303B2; DE102019102222A1; DE19908259A1; DE10161518B4; EP0673725A1; US2014245555A1; US9060665B2; ITRM20100313A1; EP1952955A1; IT202000003305A1; US9999333B2; DE102019102222B4; US9528288B2; US9743819B2; WO03057419A1; WO0216087A1

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