

Title (en)

COUPLING DEVICE FOR ATTACHING A HANDLE TO A TOOL

Publication

EP 0252187 B1 19920527 (FR)

Application

EP 86201760 A 19861013

Priority

BE 2060989 A 19860610

Abstract (en)

[origin: EP0252187A2] The coupling (1) is intended for securing a handle (5) to a tool (8) e.g. a broom or rake. It comprises a hollow element (2) secured to or part of the tool and provided with an internal taper screw thread (4), to grip the end of the handle. A clamp is provided for the end of the handle, e.g. circumferentially spaced axially projecting resilient lips (10). These clamps are radially inwardly pressed by a screw bush (3) around the end of the handle, with an internal screw thread (13) fitting on external thread (11) on the element (2). The bush pref. has an internal cone (14) to engage the ends (9) of the lips.

IPC 1-7

B25G 3/04; **B25G 3/22**

IPC 8 full level

B25G 3/04 (2006.01); **B25G 3/22** (2006.01); **B25G 3/34** (2006.01)

CPC (source: EP)

B25G 3/22 (2013.01); **B25G 3/34** (2013.01)

Cited by

FR2625701A1; US5172447A; BE1005596A4; FR3004134A1; DE29518746U1; GB2254104A; GB2250709A; GB2250709B; FR3005281A1; EP0599359A1; BE1006391A3; CN105345747A; US5161278A; US8261450B1; US5927894A; US5366314A; CN103692419A; WO2016077115A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0252187 A2 19880113; **EP 0252187 A3 19881012**; **EP 0252187 B1 19920527**; AT E76602 T1 19920615; BE 904895 A 19861001; CA 1310478 C 19921124; DE 3685496 D1 19920702; DK 138987 A 19871211; DK 138987 D0 19870318; DK 168618 B1 19940509; IE 59005 B1 19931215; IE 862695 L 19871210; PT 83623 A 19861101; PT 83623 B 19920430

DOCDB simple family (application)

EP 86201760 A 19861013; AT 86201760 T 19861013; BE 2060989 A 19860610; CA 520757 A 19861017; DE 3685496 T 19861013; DK 138987 A 19870318; IE 269586 A 19861013; PT 8362386 A 19861027