

Title (en)

METHOD AND INSERT FOR CONNECTING COMPONENTS TO PLASTIC MEMBERS

Title (de)

VERFAHREN UND EINSCHUB ZUM VERBINDEN VON KOMPONENTEN AN PLASTIKTEILE

Title (fr)

PROCEDE ET INSERT POUR ACCOUPLER DES CONSTITUANTS A DES ELEMENTS EN MATIERE PLASTIQUE

Publication

**EP 0705390 A1 19960410 (EN)**

Application

**EP 93916680 A 19930622**

Priority

- BR 9307871 A 19930622
- US 9305957 W 19930622

Abstract (en)

[origin: WO9500764A1] Disclosed is an insert (20) comprising a tubular plastic body (22) having a hollow, axially extending threaded interior (24), and a plurality of interlocking portions preferably in the form of integrally formed plastic protrusions (40) extending outward from the plastic body. The insert is maintained by force-fit engagement within a corresponding recess (46) in a plastic base. Thereafter, the plastics of the body, protrusions and base are brought to a flowable condition at their interface to integrally bond the insert to the base and/or to interlock portions of the base and insert. The threaded interior (30) of the insert remains intact during this insert bonding procedure to then accept and threadably engage with a threaded member (38), which may be metal or any other material. The insert may include slots (60) therethrough at its lower end through which the plastics migrate, when the plastics are in their flowable condition, into the threaded interior of the insert and into contact with a threaded member (38) screwed in the insert to secure the threaded member (38) and prevent its further rotation.

IPC 1-7

**F16B 39/02**; **F16B 37/04**; **B21D 39/03**

IPC 8 full level

**F16B 37/04** (2006.01); **B29C 65/08** (2006.01); **B29C 65/72** (2006.01)

CPC (source: EP)

**B29C 65/08** (2013.01); **B29C 65/72** (2013.01); **B29C 66/474** (2013.01); **B29C 66/73921** (2013.01); **F16B 37/048** (2013.01)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 9500764 A1 19950105**; AU 4645493 A 19950117; BR 9307871 A 19960423; EP 0705390 A1 19960410; EP 0705390 A4 19961106

DOCDB simple family (application)

**US 9305957 W 19930622**; AU 4645493 A 19930722; BR 9307871 A 19930622; EP 93916680 A 19930622