

Title (en)

Method and apparatus for crimping of fittings in a pipe joint

Title (de)

Verfahren und Vorrichtung zum Verpressen von Steckern als Teil einer Rohrverbindung

Title (fr)

Procédé et dispositif de sertissage d'éléments de raccord dans un raccord de tuyauterie

Publication

EP 1762312 A1 20070314 (DE)

Application

EP 06016767 A 20060811

Priority

DE 102005043140 A 20050910

Abstract (en)

Pressing apparatus for plug-in connectors (10) for hoses (11) comprises spreader jaws (9) which produce a groove in the connector which grips the material of the hose. A sensor (13) mounted in the jaws measures the progress of deformation. An independent claim is included for a method for pressing plug-in connectors for hoses in which the force used in deformation is measured and adjusted according to the thickness of the walls of the connector and hose.

IPC 8 full level

B21D 39/04 (2006.01)

CPC (source: EP US)

B21D 39/046 (2013.01 - EP US); **B21D 39/048** (2013.01 - EP US); **B25B 27/10** (2013.01 - EP US); **Y10T 29/49002** (2015.01 - EP US); **Y10T 29/49004** (2015.01 - EP US); **Y10T 29/49297** (2015.01 - EP US); **Y10T 29/49719** (2015.01 - EP US); **Y10T 29/49826** (2015.01 - EP US); **Y10T 29/53052** (2015.01 - EP US); **Y10T 29/53091** (2015.01 - EP US); **Y10T 29/5313** (2015.01 - EP US); **Y10T 29/53383** (2015.01 - EP US); **Y10T 29/53417** (2015.01 - EP US)

Citation (applicant)

- WO 2005047751 A1 20050526 - HENN GMBH & CO KG [AT], et al
- US 5855399 A 19990105 - PROFUNSER HERBERT [AT]
- WO 2005047751 A1 20050526 - HENN GMBH & CO KG [AT], et al

Citation (search report)

- [XA] EP 0637473 A1 19950208 - PEUGEOT [FR], et al
- [XA] NL 8300123 A 19840801 - NEFIT NV
- [XA] DE 29820718 U1 19990204 - UNIFLEX HYDRAULIK GMBH [DE]
- [A] DE 2613240 A1 19771006 - SCHAUZ IND HANDEL GMBH

Cited by

AT509561B1; AT516707A4; AT516707B1; KR20180004222A; EP2586542A1; CN106180432A; US8997328B2; US10434561B2; WO2016176704A1

Designated contracting state (EPC)

DE ES FR GB IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1762312 A1 20070314; **EP 1762312 B1 20111116**; BR PI0604219 A 20070703; BR PI0604219 B1 20181113; DE 102005043140 A1 20070329; DE 102005043140 B4 20120426; ES 2374959 T3 20120223; US 2007057393 A1 20070315; US 2011057344 A1 20110310; US 7975373 B2 20110712; US 8752272 B2 20140617

DOCDB simple family (application)

EP 06016767 A 20060811; BR PI0604219 A 20060908; DE 102005043140 A 20050910; ES 06016767 T 20060811; US 53024806 A 20060908; US 89966910 A 20101007