

Title (en)

PRESS MACHINE WITH SENSOR SYSTEM FOR THE AUTOMATED DETECTION OF A PRESS JAW SYSTEM

Title (de)

PRESSMASCHINE MIT SENSORSYSTEM ZUR AUTOMATISIERTEN ERKENNUNG EINER PRESSBACKENANORDNUNG

Title (fr)

MACHINE À PRESSER POURVU DE SYSTÈME DE DÉTECTION DESTINÉ À LA DÉTECTION AUTOMATISÉE D'UN AGENCEMENT DE MÂCHOIRE DE COMPRESSION

Publication

EP 3639942 B1 20221130 (DE)

Application

EP 18201502 A 20181019

Priority

EP 18201502 A 20181019

Abstract (en)

[origin: US2020127429A1] A pressing tool for plastically deforming a tubular workpiece, and particularly a fitting is described. The pressing tool comprises a pressing jaw receptacle for coupling a pressing jaw assembly to the pressing tool. The pressing tool further comprises a drive which is adapted to drive a coupled pressing jaw assembly in order to apply force to a workpiece, and a sensor system which is adapted to identify a pressing jaw assembly and to provide corresponding sensor data, wherein a control is adapted to control the drive based on the sensor data. Also described are related methods, pressing jaw assemblies, and workpieces.

IPC 8 full level

B21D 39/04 (2006.01); **B25B 27/10** (2006.01)

CPC (source: CN EP US)

B21D 39/04 (2013.01 - CN); **B21D 39/048** (2013.01 - EP); **B25B 27/10** (2013.01 - EP); **B25B 27/146** (2013.01 - US); **H01R 43/0428** (2013.01 - US); **H01R 43/048** (2013.01 - US)

Citation (examination)

- DE 202011004653 U1 20110609 - UNIFLEX HYDRAULIK GMBH [DE]
- EP 2794191 A1 20141029 - NOVOPRESS GMBH [DE]

Citation (opposition)

Opponent : Novopress GmbH Pressen und Presswerkzeuge & Co. KG

- EP 0860220 A2 19980826 - NOVOPRESS GMBH [DE]
- EP 0860223 A2 19980826 - NOVOPRESS GMBH [DE]
- DE 29703052 U1 19970403 - NOVOPRESS GMBH [DE]
- EP 0860222 A2 19980826 - NOVOPRESS GMBH [DE]
- DE 10016752 A1 20011018 - NOVARTEC AG BALZERS [LI]
- EP 0941813 A1 19990915 - NOVARTEC AG [LI]
- WO 2016198973 A1 20161215 - CEMBRE SPA [IT]
- DE 102013203553 B3 20140717 - NOVOPRESS GMBH [DE]

Cited by

EP3943249A1; WO2022242785A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3639942 A1 20200422; **EP 3639942 B1 20221130**; CN 111069444 A 20200428; CN 111069444 B 20220429; US 11611186 B2 20230321; US 2020127429 A1 20200423

DOCDB simple family (application)

EP 18201502 A 20181019; CN 201910992321 A 20191018; US 201916574289 A 20190918