

Title (en)
SWAGING DEVICE AND SWAGING METHOD

Title (de)
CRIMPVORRICHTUNG UND CRIMPVERFAHREN

Title (fr)
DISPOSITIF DE SERTISSAGE ET PROCEDE DE SERTISSAGE

Publication
EP 2942125 A1 20151111 (EN)

Application
EP 15166592 A 20150506

Priority
JP 2014096760 A 20140508

Abstract (en)
A swaging device according to an aspect of the present invention swages an end of a tubular body (2) and a circumferential edge of an end plate (3) for closing an opening of the tubular body (2) by utilizing a processing roller (6,7), in which the processing roller (6,7) is connected to a robot (5), the robot (5) being configured to control a position of the processing roller (6,7), and swaging is performed by sandwiching the end of the tubular body (2) and the circumferential edge of the end plate (3) by an inner roller (6) and an outer roller (7), the inner roller (6) being disposed inside the tubular body (2), the outer roller (7) being disposed outside the tubular body (2) so that the outer roller (7) is opposed to the inner roller (6), and the outer roller (7) being movable toward the inner roller (6).

IPC 8 full level
B21D 39/02 (2006.01)

CPC (source: EP US)
B21D 19/06 (2013.01 - US); **B21D 39/02** (2013.01 - EP US); **B21D 41/045** (2013.01 - US); **B21D 43/003** (2013.01 - US)

Citation (applicant)
JP 2001300666 A 20011030 - SANGO CO LTD

Citation (search report)
• [X] GB 2439693 A 20080102 - HONDA MOTOR CO LTD [JP]
• [X] US 5066184 A 19911119 - TAURA YOSHIHARU [JP], et al
• [X] US 3540394 A 19701117 - IGNELL ROLF LENNART
• [X] DE 165851 C

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2942125 A1 20151111; CN 105081116 A 20151125; JP 2015213925 A 20151203; JP 5975061 B2 20160823; US 2015321240 A1 20151112

DOCDB simple family (application)
EP 15166592 A 20150506; CN 201510208648 A 20150428; JP 2014096760 A 20140508; US 201514697910 A 20150428