Title (en)
QUICK-CHANGE SYSTEM FOR STRETCHING RODS

Title (de)
SCHNELLWECHSELSYSTEM FÜR RECKSTANGEN

Title (fr)
SYSTÈME DE CHANGEMENT RAPIDE POUR BARRES D'ÉTIRAGE

Publication
EP 2349677 A1 20110803 (DE)

Application
EP 09783166 A 20090918

Priority
• EP 2009062108 W 20090918
• DE 102008049905 A 20081002

Abstract (en)
[origin: WO2010046189A1] The invention relates to a device (1) for shaping plastic preforms (10) into plastic containers (20), comprising a blowing nozzle for filling the plastic preform (10) with a medium, and a rod body (2) for extending the plastic preform (10) in the longitudinal direction (L) thereof during the shaping process, said body being disposed on a support (11) and being movable in a longitudinal direction (L) of the plastic preform (10). According to the invention, the rod body (2) has a multi-part construction and comprises at least one first rod element (4) arranged on the support (10) and one second rod element (6) which can be connected to the first rod element (4), wherein the second rod element (6) can be inserted into an opening (10a) of the plastic preform (10) in order to extend the plastic preform in the longitudinal direction (L) thereof and the second rod element (6) comprises a contact surface (8) in order to contact an area of the plastic preform (10), wherein the first rod element (4) and the second rod element (6) can be connected to each other through a connection mechanism (12, 14) which can be released without tools.

IPC 8 full level
B29C 49/12 (2006.01)

CPC (source: EP US)
B29C 49/12 (2013.01 - EP US); B29C 49/06 (2013.01 - EP US); B29C 49/1202 (2022.05 - EP US); B29C 49/36 (2013.01 - EP US); B29C 2949/0715 (2022.05 - EP)

Citation (search report)
See references of WO 2010046189A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102008049905 A1 20100408; CN 102171023 A 20110831; EP 2349677 A1 20110803; US 2012100237 A1 20120426; WO 2010046189 A1 20100429

DOCDB simple family (application)
DE 102008049905 A 20081002; CN 200980139554 A 20090918; EP 09783166 A 20090918; EP 2009062108 W 20090918; US 200913122303 A 20090918