

Title (en)
COUNTER STRETCH CONNECTING ROD AND POSITIVE FILL LEVEL CONTROL ROD

Title (de)
GEGENZIEHPLEUELSTANGE UND KONTROLLSTAB FÜR POSITIVEN FÜLLSTAND

Title (fr)
TIGE DE LIAISON À CONTRE-ÉTIREMENT ET TIGE DE CONTRÔLE DE NIVEAU DE REMPLISSAGE POSITIF

Publication
EP 2771167 A4 20151014 (EN)

Application
EP 12843561 A 20121026

Priority
• US 201161552075 P 20111027
• US 2012062210 W 20121026

Abstract (en)
[origin: CN110281506A] A mold device and a method related thereto for forming a plastic container from a preform. The mold device comprises a mold defining a mold cavity, an optional stretch initiation rod system for engaging an interior portion of the preform to define a stretch initiation area, and a centrally disposed pressure source positionable within the preform for introducing a pressurized fluid.

IPC 8 full level
B29C 49/28 (2006.01); **B29C 49/06** (2006.01); **B29C 49/12** (2006.01); **B29C 49/14** (2006.01); **B29C 49/42** (2006.01); **B29C 49/46** (2006.01); **B29D 22/00** (2006.01); **B29L 31/00** (2006.01)

CPC (source: EP US)
B29C 49/14 (2013.01 - EP); **B29D 22/003** (2013.01 - EP US); **B29C 49/06** (2013.01 - EP); **B29C 49/12** (2013.01 - EP); **B29C 2049/4664** (2013.01 - EP); **B29C 2049/7831** (2022.05 - EP); **B29C 2049/7862** (2022.05 - EP); **B29C 2949/0715** (2022.05 - EP); **B29C 2949/078** (2022.05 - EP); **B29L 2031/7158** (2013.01 - EP)

Citation (search report)
• [X] JP H1071641 A 19980317 - YOSHINO KOGYOSHO CO LTD
• [X] JP S6378728 A 19880408 - YOSHINO KOGYOSHO CO LTD
• [X] CH 690003 A5 20000315 - TETRA PAK PLASTICS LTD TETRA P [CH]
• [X] JP H07156933 A 19950620 - DAINIPPON PRINTING CO LTD
• [X] US 4547333 A 19851015 - TAKADA TAKUZO [JP]
• [X] US 2011248429 A1 20111013 - MAEDA KOUJI [JP], et al
• [A] US 2006068048 A1 20060330 - KODA HIDEAKI [JP], et al
• See references of WO 2013063461A1

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)
CN 110281506 A 20190927; EP 2771167 A1 20140903; EP 2771167 A4 20151014

DOCDB simple family (application)
CN 201910151498 A 20121026; EP 12843561 A 20121026