

Title (en)
HYDRAULIC DOUBLE RAM LIFTING PLATFORM

Title (de)
HYDRAULISCHE 2-STEMPELHEBEBÜHNE

Title (fr)
PONT ELEVATEUR A DEUX VERINS HYDRAULIQUES

Publication
EP 1680603 B1 20111005 (DE)

Application
EP 04789995 A 20041015

Priority
• DE 2004002293 W 20041015
• DE 10349065 A 20031022

Abstract (en)
[origin: WO2005040617A1] The invention relates to a hydraulic double ram lifting platform with two cylinder tubes (3), moving together in the vertical direction (17), a hydraulically-operated lifting unit (18), for each cylinder tube (3), a mechanical cross-support (5), for both lifting units (18) to ensure synchronisation of both cylinder tubes (3) and rotational fixing about the longitudinal axis thereof, characterised in that each lifting unit (18) is provided with a standing, hollow plunger piston (4), supported at the base, within which compressed air (26) and a hydraulic fluid (27) are arranged, the interior of which is embodied as a pressurised reservoir and to the lower end of which a curved tube is fixed, which extends inside up to the upper reaches (22) of the plunger piston (4).

IPC 8 full level
F15B 11/072 (2006.01); **B66F 7/20** (2006.01); **F15B 11/00** (2006.01); **F15B 15/26** (2006.01)

CPC (source: EP US)
B66F 7/20 (2013.01 - EP US); **B66F 7/28** (2013.01 - EP US); **F15B 11/003** (2013.01 - EP US); **F15B 11/0725** (2013.01 - EP US); **F15B 15/261** (2013.01 - EP US); **F15B 2211/3052** (2013.01 - EP US); **F15B 2211/30525** (2013.01 - EP US); **F15B 2211/324** (2013.01 - EP US); **F15B 2211/46** (2013.01 - EP US); **F15B 2211/7107** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005040617 A1 20050506; AT E527452 T1 20111015; DE 10349065 B3 20050525; DE 112004002593 D2 20060914; EP 1680603 A1 20060719; EP 1680603 B1 20111005; US 2006289239 A1 20061228; US 7530300 B2 20090512

DOCDB simple family (application)
DE 2004002293 W 20041015; AT 04789995 T 20041015; DE 10349065 A 20031022; DE 112004002593 T 20041015; EP 04789995 A 20041015; US 59545204 A 20041015