

Title (en)
DRIVE APPARATUS

Title (de)
ANTRIEBSVORRICHTUNG

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT

Publication
EP 2911871 A1 20150902 (DE)

Application
EP 13736530 A 20130705

Priority
• DE 102012110207 A 20121025
• EP 2013064298 W 20130705

Abstract (en)
[origin: WO2014063841A1] The present invention relates to a drive apparatus (10), particularly for driving a forming device (12), with a drive unit (14) which provides a drive force (30) or a drive torque, a take-off unit (16) which has an input element (20) and a translationally movable output element (22), wherein the take-off unit (16) has a progressive force-travel characteristic between the input element (20) and the output element (22), and a transmission element (18) which is rotatably mounted on a point of rotation (26), wherein: the transmission element (18) is connected to the drive unit (14) in such a manner that a torque (38) can be transferred to the transmission element (18); the transmission element (18) has an output pivot point (28) to which a connecting element (34) is hinged, which connecting element forms together with the transmission element (18) an elbow lever (42); the connecting element (34) is connected to the input element (20) of the drive unit (16) in such a manner that a force can be transmitted onto the take-off unit (16); an angle (44) of the elbow lever (42) can be changed for a starting position of the output element (22) in order to adjust the force-travel characteristic of the output element (22).

IPC 8 full level
B30B 1/10 (2006.01); **B30B 1/14** (2006.01)

CPC (source: EP)
B30B 1/10 (2013.01); **B30B 1/14** (2013.01)

Citation (search report)
See references of WO 2014063841A1

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)
WO 2014063841 A1 20140501; EP 2911871 A1 20150902; EP 2911871 B1 20170329; JP 2015533656 A 20151126; JP 6133429 B2 20170524

DOCDB simple family (application)
EP 2013064298 W 20130705; EP 13736530 A 20130705; JP 2015538335 A 20130705