

Title (en)
ELECTROHYDRAULIC FORMING METHOD AND ASSOCIATED DEVICE

Title (de)
ELEKTROHYDRAULISCHES FORMVERFAHREN UND ZUGEHÖRIGE VORRICHTUNG

Title (fr)
PROCÉDÉ DE FORMAGE ÉLECTROHYDRAULIQUE ET DISPOSITIF ASSOCIÉ

Publication
EP 3541546 A1 20190925 (FR)

Application
EP 17818048 A 20171114

Priority
• FR 1661070 A 20161115
• EP 2017079132 W 20171114

Abstract (en)
[origin: WO2018091436A1] Method for electrohydraulically forming a blank of material wherein - a blank of material to be deformed is placed between a mould and a blank holder, - a cavity containing electrodes is filled with liquid to a predetermined liquid level, - the blank of material is placed in contact with the liquid in the cavity, - a first electric discharge is generated between at least two electrodes so as to deform the blank of material against the mould, - the mould is brought nearer to the electrodes by moving the mould so as to reduce the distance between the electrodes and the blank of material to be deformed after the first electric discharge has been generated, - at least one other electric discharge is generated between at least two electrodes so as to deform the blank of material against the mould.

IPC 8 full level
B21D 26/021 (2011.01); **B21D 26/023** (2011.01); **B21D 26/031** (2011.01); **B21D 26/12** (2006.01)

CPC (source: EP US)
B21D 26/021 (2013.01 - EP US); **B21D 26/023** (2013.01 - EP US); **B21D 26/031** (2013.01 - EP US); **B21D 26/12** (2013.01 - EP US)

Citation (search report)
See references of WO 2018091436A1

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)
FR 3058655 A1 20180518; FR 3058655 B1 20190607; CN 110114162 A 20190809; CN 110114162 B 20210420; EP 3541546 A1 20190925; JP 2019537513 A 20191226; US 11278948 B2 20220322; US 2019299270 A1 20191003; WO 2018091436 A1 20180524

DOCDB simple family (application)
FR 1661070 A 20161115; CN 201780070032 A 20171114; EP 17818048 A 20171114; EP 2017079132 W 20171114; JP 2019525748 A 20171114; US 201716349956 A 20171114