

Title (en)

LOCAL HEAT TREATMENT SYSTEM AND COLD FORMING METHOD USING SAME

Title (de)

SYSTEM ZUR LOKALEN WÄRMEBEHANDLUNG UND KALTFORMVERFAHREN MIT VERWENDUNG DAVON

Title (fr)

SYSTÈME DE TRAITEMENT THERMIQUE LOCAL ET PROCÉDÉ DE FORMATION DE FROID UTILISANT CELUI-CI

Publication

EP 3872196 A1 20210901 (EN)

Application

EP 19891130 A 20190808

Priority

- KR 20180151020 A 20181129
- KR 2019009979 W 20190808

Abstract (en)

The present disclosure relates to a local heat treatment system and a cold forming method using the same. The local heat treatment system includes a heating device configured to locally heat only a plastic deformation occurrence portion of a blank material to a predetermined temperature, a moving device configured to move the heating device to a position of a local heating region of the blank material, and a controller configured to control the heating device and the moving device.

IPC 8 full level

C21D 1/34 (2006.01); **B21D 37/16** (2006.01); **B21J 1/06** (2006.01); **C21D 9/46** (2006.01); **C21D 11/00** (2006.01)

CPC (source: EP US)

B21D 5/008 (2013.01 - EP US); **B21D 37/16** (2013.01 - US); **C21D 1/34** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP); **C21D 11/00** (2013.01 - EP US)

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)

EP 3872196 A1 20210901; **EP 3872196 A4 20220316**; CN 113166825 A 20210723; JP 2022510869 A 20220128; KR 20200064661 A 20200608; US 2022016683 A1 20220120; WO 2020111442 A1 20200604

DOCDB simple family (application)

EP 19891130 A 20190808; CN 201980079214 A 20190808; JP 2021529340 A 20190808; KR 20180151020 A 20181129; KR 2019009979 W 20190808; US 201917296883 A 20190808