

Title (en)
MOLDING APPARATUS AND MOLDING METHOD

Title (de)
FORMVORRICHTUNG UND FORMVERFAHREN

Title (fr)
APPAREIL ET PROCÉDÉ DE MOULAGE

Publication
EP 3950163 A4 20220504 (EN)

Application
EP 20778654 A 20200302

Priority
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• JP 2020008691 W 20200302

Abstract (en)
[origin: US2021362208A1] A forming apparatus that forms a metal pipe material includes an electrode that holds the metal pipe material and supplies electric power to the metal pipe material to heat the metal pipe material, a forming die that quenches and forms the expanded metal pipe, and a member that suppresses quenching, in which a region where quenching is not performed in the metal pipe is adjusted by adjusting a length of the member.

IPC 8 full level
B21D 26/041 (2011.01); **B21D 37/16** (2006.01); **B21D 51/10** (2006.01); **C21D 1/18** (2006.01); **C21D 1/60** (2006.01); **C21D 1/62** (2006.01); **C21D 1/673** (2006.01); **C21D 9/08** (2006.01)

CPC (source: EP KR US)
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• [XD] JP 2016190248 A 20161110 - SUMITOMO HEAVY INDUSTRIES
• See references of WO 2020195579A1

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

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US 202117398689 A 20210810; CA 3129578 A 20200302; CN 202080009310 A 20200302; EP 20778654 A 20200302; JP 2020008691 W 20200302; JP 2021508882 A 20200302; KR 20217021404 A 20200302