

Title (en)

Method for operating a heat treatment line

Title (de)

Verfahren zum Betreiben einer Wärmebehandlungslinie

Title (fr)

Procédé de fonctionnement d'une ligne de traitement thermique

Publication

EP 2767599 B1 20201209 (DE)

Application

EP 13186929 A 20131001

Priority

DE 102013101489 A 20130214

Abstract (en)

[origin: US2014224388A1] A heat treatment line for producing a heat treated metal component includes a heating station, which heats the metal component to a component temperature above the austenizing temperature, and a temperature treatment station, wherein the temperature treatment station has an internal temperature which essentially corresponds to the temperature of the metal component.

IPC 8 full level

C21D 1/673 (2006.01); **B21D 22/20** (2006.01)

CPC (source: EP US)

C21D 1/673 (2013.01 - EP US); **C21D 6/00** (2013.01 - US); **C21D 9/0056** (2013.01 - US); **C21D 9/0062** (2013.01 - US)

Cited by

EP2944393A4; EP2905346A1; US10619925B2; WO2015110456A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 102013101489 B3 20140605; CN 103993137 A 20140820; EP 2767599 A1 20140820; EP 2767599 B1 20201209; ES 2845558 T3 20210727; US 2014224388 A1 20140814

DOCDB simple family (application)

DE 102013101489 A 20130214; CN 201310664738 A 20131210; EP 13186929 A 20131001; ES 13186929 T 20131001; US 201414180106 A 20140213