

Title (en)  
LINE SPEED DEPENDENT CONTROL OF A FURNACE FOR HEAT TREATING ALUMINUM ALLOY SHEET

Title (de)  
LEITUNGSGESCHWINDIGKEITSABHÄNGIGE STEUERUNG EINES OFENS ZUR WÄRMEBEHANDLUNG VON ALUMINIUMLEGIERUNGSBLECH

Title (fr)  
COMMANDE DÉPENDANT DE LA VITESSE LINÉAIRE D'UN FOUR DESTINÉE AU TRAITEMENT THERMIQUE D'UNE FEUILLE D'ALLIAGE D'ALUMINIUM

Publication  
**EP 3959346 A1 20220302 (EN)**

Application  
**EP 20717682 A 20200415**

Priority

- US 201962837338 P 20190423
- EP 19172936 A 20190507
- EP 2020060520 W 20200415

Abstract (en)  
[origin: WO2020216653A1] A method for controlling continuous heat treating and annealing of heat-treatable and non-heat-treatable aluminum alloy sheet at final thickness continuously moving in a floating state horizontally through a continuous convection floating furnace arranged to heat the moving aluminum sheet to a set peak metal temperature. The controlling including controlling fan speeds and furnace air temperature to accommodate variations in line speed of the aluminum alloy sheet continuously moving in the floating state horizontally through the continuous convection floating furnace

IPC 8 full level  
**C21D 9/46** (2006.01); **C21D 1/26** (2006.01); **C21D 11/00** (2006.01); **C22F 1/04** (2006.01); **C22F 1/053** (2006.01); **C22F 1/06** (2006.01)

CPC (source: EP US)  
**C21D 1/26** (2013.01 - EP US); **C21D 9/46** (2013.01 - EP US); **C21D 11/00** (2013.01 - EP US); **C22F 1/002** (2013.01 - EP); **C22F 1/04** (2013.01 - EP); **C22F 1/047** (2013.01 - EP); **C22F 1/053** (2013.01 - EP US)

Citation (search report)  
See references of WO 2020216653A1

Designated contracting state (EPC)  
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BA ME

DOCDB simple family (publication)  
**WO 2020216653 A1 20201029**; EP 3959346 A1 20220302; EP 3959346 B1 20230412; US 2022178008 A1 20220609

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**EP 2020060520 W 20200415**; EP 20717682 A 20200415; US 202017604808 A 20200415