

Title (en)
CONTINUOUS ANNEALING FURNACE

Title (de)
DAUERGLÜHOFEN

Title (fr)
FOUR DE RECUIT CONTINU

Publication
EP 2434026 A4 20160907 (EN)

Application
EP 10777670 A 20100510

Priority
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• JP 2009121593 A 20090520
• JP 2009060753 W 20090612

Abstract (en)
[origin: EP2434026A1] In a continuous annealing furnace 10, a subject material 1 introduced through an inlet sealing portion 11 is continuously transported from a heating zone 12 to cooling zones 13a to 13c in the hydrogen-gas containing ambient gas so as to anneal the subject material by indirectly heating the subject material in the heating zone 12 followed by cooling the subject material in the cooling zones. The resultant subject material is discharged from the continuous annealing furnace through an outlet sealing portion 16. The continuous annealing furnace 10 is provided with an ambient gas feeder 20 for feeding the ambient gas into the continuous annealing furnace 10, a guide duct 33 for introducing the excess ambient gas from the continuous annealing furnace into a combustion portion of the heating zone and an ambient-gas control unit 30 for controlling the introduction of the excess ambient gas through the guide duct into a combustion portion of the heating zone.

IPC 8 full level
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Citation (search report)
• [XA] JP H11229041 A 19990824 - DAIDO STEEL CO LTD
• [A] JP H0472021 A 19920306 - NIPPON STEEL CORP
• [A] JP H11236623 A 19990831 - NISSHIN STEEL CO LTD
• See references of WO 2010134436A1

Designated contracting state (EPC)
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