

Title (en)

Method and apparatus for continuous annealing.

Title (de)

Verfahren und Vorrichtung zum kontinuierlichen Glühen.

Title (fr)

Procédé et dispositif pour le recuit en continu.

Publication

**EP 0350173 A1 19900110 (EN)**

Application

**EP 89306102 A 19890615**

Priority

US 21496088 A 19880705

Abstract (en)

Apparatus for the continuous annealing of strip steel or the like, wherein the apparatus comprises a furnace having an annealing chamber and input and output strip feed structures located on opposite sides of the chamber near the top thereof. The rate at which the strip is feed through the feed structures is regulated by a feed controller which establishes a catenary loop of strip between the feed structures. The strip feed structure includes a mechanism for connecting the trailing end of a section of strip to the leading end of a succeeding strip, whereby a continuous supply of strip is provided to the furnace from a supply of coils of strip or the like. The feed controller is operatively coupled to the input and output strip feed structures for controlling the respective rates of the feed structures, and thereby controlling the size of the loop such that the furnace may be operated concurrently to anneal the strip and function as an accumulator.

IPC 1-7

**C21D 9/56**

IPC 8 full level

**C21D 9/56** (2006.01)

CPC (source: EP KR)

**C21D 1/26** (2013.01 - KR); **C21D 9/56** (2013.01 - EP)

Citation (search report)

- [A] US 2448835 A 19480907 - SCHEFE FREDERICK K
- [AD] US 3152794 A 19641013 - ALEXEFF ALEXANDER V, et al
- [AD] US 4395021 A 19830726 - TERA KADO RYOJI [JP], et al

Cited by

CN110989522A; CN110343844A; CN117625914A; EP3642372B1

Designated contracting state (EPC)

AT DE FR GB

DOCDB simple family (publication)

**EP 0350173 A1 19900110**; JP H0261008 A 19900301; KR 900001867 A 19900227

DOCDB simple family (application)

**EP 89306102 A 19890615**; JP 17176489 A 19890703; KR 890009612 A 19890704