

Title (en)

Rolls for disposing at entry side or exit side of quenching zone of continuous annealing furnace and quenching zone unit using rolls

Title (de)

Rollen zum Verwenden in der Eingangs- oder Ausgangszone der Kühlstrecke eines Durchlaufglühofens und diese Kühlstrecke

Title (fr)

Rouleaux devant être installés dans l'entrée ou la sortie d'une zone de trempe d'un four de recuit continu et ledit zone de trempe

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Application

**EP 01305480 A 20010625**

Priority

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Abstract (en)

A roll (20) that can be disposed before and/or after a quenching zone (4) of a continuous annealing furnace is provided. The roll (20) has a predetermined profile satisfying  $Lc \geq 0.7 \times W_{min}$ ;  $R = 0.1 \times 10^{-3} \text{ to } +0.2 \times 10^{-3}$ ; and  $TR \geq 20$ , wherein  $Lc$  represents the length (mm) of a flat portion (22) in the center of the roll (20),  $W_{min}$  represents the minimum width (mm) of a steel strip (1),  $R$  represents the inclination of tapered portions (24) disposed at two sides of the roll (20), and  $TR$  represents the radius of curvature (m) of boundaries between the flat portion (22) and the tapered portions (24). The roll (20) can be used as a hearth roll (9) and/or a bridle roll (10) disposed at the entry side and/or the exit side of the quenching zone (4). <IMAGE>

IPC 1-7

**C21D 9/56; C21D 9/573**

IPC 8 full level

**C21D 1/00** (2006.01); **C21D 9/56** (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP KR US)

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Citation (search report)

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