

Title (en)
DUPLEX COLD ROLLING LINE

Title (de)
DUPLEX-KALTWALZSTRASSE

Title (fr)
LIGNE DE LAMINAGE À FROID EN DUPLEX

Publication
EP 3296032 A1 20180321 (EN)

Application
EP 17185335 A 20170808

Priority
TW 105130108 A 20160919

Abstract (en)
A duplex cold rolling line (1) includes a feeding unit (2), a first rolling unit (3), a furnace and descaling unit (4), a pickling unit (5), a second rolling unit (7) and an exit unit (8). The feeding unit (2) is adapted to unroll a hot-rolled coil to form an unrolled steel strip. The first rolling unit (3) includes at least two juxtaposed first rolling machines (31) adapted to perform a first-pass rolling operation on the unrolled steel strip. The furnace and descaling unit (4) is adapted to perform an annealing and descaling operation on the unrolled steel strip after completion of the first-pass rolling operation. The pickling unit (5) is adapted to perform a pickling operation on the unrolled steel strip after completion of the annealing and descaling operation. The second rolling unit (7) includes five juxtaposed second rolling machines (71) adapted to perform a second-pass rolling operation on the unrolled steel strip. The exit unit (8) is adapted to roll the unrolled steel strip to form a cold-rolled coil.

IPC 8 full level
B21B 1/28 (2006.01); **C21D 8/02** (2006.01)

CPC (source: CN EP)
B21B 1/28 (2013.01 - EP); **B21B 1/30** (2013.01 - CN); **B21B 1/40** (2013.01 - CN); **B21B 15/00** (2013.01 - CN); **B21B 39/00** (2013.01 - CN); **B21B 45/0269** (2013.01 - CN); **C21D 8/0236** (2013.01 - EP); **C21D 9/46** (2013.01 - EP); **C21D 9/56** (2013.01 - EP); **B21B 1/40** (2013.01 - EP); **B21B 38/00** (2013.01 - EP); **B21B 45/06** (2013.01 - EP); **B21B 2001/221** (2013.01 - CN); **B21B 2265/14** (2013.01 - EP); **C21D 8/0268** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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