

Title (en)

Method and device for in-line-pickling of hot rolled strip in sequence with thin slab production

Title (de)

Verfahren und Vorrichtung zum inline-Beizen von Warmbändern hinter Dünnbrammenerzeugungsanlagen

Title (fr)

Procédé et dispositif pour le décapage en ligne de bandes laminés à chaud à partir de brames minces

Publication

**EP 0787808 B1 20011107 (DE)**

Application

**EP 97250023 A 19970204**

Priority

DE 19606305 A 19960208

Abstract (en)

[origin: EP0787808A1] In-line pickling process for hot strip, especially low carbon steel, directly behind a thin slab casting and rolling line, with the following process stages: (a) mild cooling of the strip leaving the rolling line at  $\geq 880$  degrees C to 480 degrees C in two successive cooling sections, each with following recovery sections for temperature equalisation of edges and core; (b) sharp cooling from 480 degrees C to ca. 95 degrees C in a third cooling section, followed by a third recovery section for temperature equalisation at ca. 100 degrees C; (c) passing the strip through a number of chemical pickling tanks according to strip thickness and/or speed at corresponding pickling temperatures; and (d) rinsing, drying and coiling of the pickled strip. Appropriate process equipment is also claimed.

IPC 1-7

**C21D 8/02**; **C21D 9/573**; **C23G 3/02**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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**EP 0787808 A1 19970806**; **EP 0787808 B1 20011107**; DE 19606305 C1 19971002; DE 59705232 D1 20011213; ES 2163094 T3 20020116; US 5876522 A 19990302

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