

Title (en)

Process and apparatus for cleaning metal strip

Title (de)

Verfahren und Vorrichtung zum Reinigen eines Metallbandes

Title (fr)

Procédé et dispositif pour nettoyer une bande métallique

Publication

**EP 1005926 A2 20000607 (EN)**

Application

**EP 99122944 A 19991118**

Priority

US 20156498 A 19981130

Abstract (en)

A process and apparatus for cleaning metal strip without the use of pickling acids, including an uncoiler (1), a leveller (2) capable of removing substantially all dimensional irregularities from the strip, and a cleaner (3), including at least one grinder unit, brushing unit and polishing unit, for removing surface oxide from the strip. Tension is applied to the cleaned strip to enhance material handling and control and to facilitate leveling. The cleaned strip may be treated (5) with acid to remove ground surface material and to condition the strip. Such strip, having a reduced surface roughness of about 5 to 30 microinches, is suitable for many post-processing operations. <IMAGE>

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CPC (source: EP)

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Cited by

CN109434665A; CN102699054A; CN103128112A; CN116727315A; EP1628784A4; CN117259482A; US9822422B2; US10260120B2

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