

Title (en)

Pickling apparatus and process for running it

Title (de)

Beizanlage und Verfahren zum Betreiben der Beizanlage

Title (fr)

Installation de décapage et procédé d'exploitation de l'installation

Publication

EP 0602437 B1 19970312 (DE)

Application

EP 93119150 A 19931127

Priority

DE 4240572 A 19921203

Abstract (en)

[origin: US5545260A] A method operating a pickling installation for pickling rolled strips comprises several consecutively disposed pickling basins filled with a pickling agent containing acid, through which the strip 4 is passed. A pickling agent containing acid is injected through injection nozzles disposed at least on the sides of the basin. A flexible adaptation to the respective pickling task with the aim of a reduced pickling time period is made possible if the nozzle injections on the sides are actuated variably. The pickling installation is provided for this purpose on both sides of the plurality of the basins, with injection nozzles above and below the strip traveling plane and upstream or downstream of base slide pads located in the basin.

IPC 1-7

C23G 3/02

IPC 8 full level

B05B 15/50 (2018.01); **B05B 15/70** (2018.01); **B08B 3/10** (2006.01); **C23G 3/02** (2006.01)

CPC (source: EP US)

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Cited by

DE19602303C5; DE19842971A1

Designated contracting state (EPC)

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US 5545260 A 19960813; AT E150098 T1 19970315; CN 1037706 C 19980311; CN 1088631 A 19940629; DE 4240572 A1 19940609; DE 59305747 D1 19970417; EP 0602437 A1 19940622; EP 0602437 B1 19970312; ES 2099886 T3 19970601; JP 3322965 B2 20020909; JP H06322568 A 19941122; RU 2115768 C1 19980720

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US 16183893 A 19931203; AT 93119150 T 19931127; CN 93120812 A 19931203; DE 4240572 A 19921203; DE 59305747 T 19931127; EP 93119150 A 19931127; ES 93119150 T 19931127; JP 30293393 A 19931202; RU 93053904 A 19931202