

Title (en)  
Metal strip pickling apparatus

Title (de)  
Beizanlage für Metallbänder

Title (fr)  
Appareil de décapage de bandes métalliques

Publication  
**EP 1091022 A3 20020626 (DE)**

Application  
**EP 00120430 A 20000919**

Priority  
DE 19947857 A 19991005

Abstract (en)  
[origin: EP1091022A2] Pickling device comprises a flow pickling chamber with an inlet opening and a run-off opening and guides and transporting devices for the strip (9) and outlet openings for applying pickling agents to the strip. The outlet openings are formed as flat nozzles in plates (10, 11) of distribution boxes (14-17) which are distributed on zones in the cross and longitudinal direction of the strip. The pickling agent can be adjusted from zone to zone via a supply of distribution boxes. Preferred Features: The back walls lying opposite the plates of the boxes are formed of a lid (2) and the base (1a) of the chamber housing.

IPC 1-7  
**C23G 3/02**

IPC 8 full level  
**C23G 3/02** (2006.01)

CPC (source: EP)  
**C23G 3/023** (2013.01)

Citation (search report)

- [X] DE 19530551 A1 19970220 - BWG BERGWERK WALZWERK [DE]
- [X] US 4361444 A 19821130 - MCCLANAHAN BUFORD A, et al
- [X] DATABASE WPI Section Ch Week 197822, Derwent World Patents Index; Class M12, AN 1978-39418A, XP002197749
- [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 191 (C - 127) 30 September 1982 (1982-09-30)

Cited by  
CN106400039A; CN115449808A

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1091022 A2 20010411; EP 1091022 A3 20020626**; DE 19947857 A1 20010503

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