

Title (en)  
Device for descaling rolled material

Title (de)  
Vorrichtung zum Entzundern von Walzgut

Title (fr)  
Dispositif pour le décalaminage de produits laminés

Publication  
**EP 0931600 B1 20040929 (DE)**

Application  
**EP 99100540 A 19990113**

Priority  
DE 19802425 A 19980123

Abstract (en)  
[origin: EP0931600A2] The distributor elements (1a, 1b) can be rotated and fixed in working orientations. The nozzles form several nozzle arrays (5) which are positioned radially relative to the distributor elements, and extend in the axial direction of the distributor elements. One of the nozzle arrays is always adapted to the cross section contour of the profile (4), and is rotationally adjustable.

IPC 1-7  
**B21B 45/04**

IPC 8 full level  
**B22D 43/00** (2006.01); **B21B 45/04** (2006.01); **B21B 45/08** (2006.01); **B22C 9/08** (2006.01); **B22C 23/00** (2006.01); **B22D 31/00** (2006.01); **B21B 1/08** (2006.01); **B21B 45/02** (2006.01)

CPC (source: EP KR US)  
**B21B 45/04** (2013.01 - EP KR US); **B21B 1/08** (2013.01 - EP US); **B21B 45/0233** (2013.01 - EP US); **B21B 45/08** (2013.01 - EP US); **Y10T 29/4533** (2015.01 - EP US); **Y10T 29/4544** (2015.01 - EP US); **Y10T 29/455** (2015.01 - EP US)

Cited by  
CN110548770A

Designated contracting state (EPC)  
AT DE ES GB IT SE

DOCDB simple family (publication)  
**EP 0931600 A2 19990728; EP 0931600 A3 20020417; EP 0931600 B1 20040929**; AT E277697 T1 20041015; CN 1138604 C 20040218; CN 1229701 A 19990929; DE 19802425 A1 19990729; DE 59910609 D1 20041104; JP H11309508 A 19991109; KR 19990068068 A 19990825; US 6119323 A 20000919

DOCDB simple family (application)  
**EP 99100540 A 19990113**; AT 99100540 T 19990113; CN 99101372 A 19990125; DE 19802425 A 19980123; DE 59910609 T 19990113; JP 1479799 A 19990122; KR 19990001897 A 19990122; US 23457199 A 19990121