

Title (en)  
Slide gate nozzle for metallurgical vessels.

Title (de)  
Schieberverschluss an metallurgischen Gefässen.

Title (fr)  
Busette à tiroir pour récipients métallurgiques.

Publication  
**EP 0529108 B1 19940928 (DE)**

Application  
**EP 91112562 A 19910726**

Priority  
EP 91112562 A 19910726

Abstract (en)  
[origin: EP0529108A1] The invention relates to a slide gate nozzle with a top plate (1) having a highly refractory insert (A), consisting of a wearing part (2) with a throughflow opening (3) and of a wearing ring (6) for the in situ repair of a top plate during the operation of the steel plant.

IPC 1-7  
**B22D 41/28**

IPC 8 full level  
**B22D 41/28** (2006.01)

CPC (source: EP)  
**B22D 41/28** (2013.01)

Cited by  
EA009962B1; EP1046447A1; CN106994509A; US7703644B2; WO2006042596A1

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

DOCDB simple family (publication)  
**EP 0529108 A1 19930303; EP 0529108 B1 19940928**; AT E112195 T1 19941015; DE 59103128 D1 19941103; DK 0529108 T3 19950410; ES 2061134 T3 19941201

DOCDB simple family (application)  
**EP 91112562 A 19910726**; AT 91112562 T 19910726; DE 59103128 T 19910726; DK 91112562 T 19910726; ES 91112562 T 19910726