

Title (en)  
Strand withdrawing apparatus

Title (de)  
Vorrichtung zum Ausziehen eines Stranges

Title (fr)  
Appareil pour l'extraction d'une barre

Publication  
**EP 0875316 A3 19990922 (DE)**

Application  
**EP 98250112 A 19980327**

Priority  
DE 19717914 A 19970424

Abstract (en)  
[origin: US6062295A] A device for withdrawing a strand, especially a metal strand, from a continuous casting mold, includes drivable rollers that are located on opposite sides of the strand and are rotatably mounted on both sides in chocks. For adjustment to the strand cross-section, the rollers, with their chocks, can be moved toward and away from each other in a housing frame, and can be pressed against the strand surface in a force-operated or pressure-medium-operated fashion. Each chock of the first roller is connected via a tension member to a positioning device run in the guide of a clamping unit. Drives of the positioning unit are connected to chocks of the second roller to move the second roller toward or away from the first roller, the second roller being arranged between the positioning device and the first roller.

IPC 1-7  
**B22D 11/128**

IPC 8 full level  
**B22D 11/128** (2006.01)

CPC (source: EP US)  
**B22D 11/128** (2013.01 - EP US)

Citation (search report)

- [A] DE 744229 C 19440112 - FRIES SOHN J S
- [A] EP 0545104 A2 19930609 - SCHLOEMANN SIEMAG AG [DE]

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 6062295 A 20000516**; AT E223271 T1 20020915; DE 19717914 A1 19981029; DE 19717914 C2 19990512; DE 59805371 D1 20021010; EP 0875316 A2 19981104; EP 0875316 A3 19990922; EP 0875316 B1 20020904; JP 3770520 B2 20060426; JP H10296411 A 19981110

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**US 6535398 A 19980423**; AT 98250112 T 19980327; DE 19717914 A 19970424; DE 59805371 T 19980327; EP 98250112 A 19980327; JP 12821698 A 19980422