

Title (en)  
COOLING APPARATUS, ESPECIALLY FOR INGOT AND BILLET STRANDS

Publication  
**EP 0028686 B1 19831130 (DE)**

Application  
**EP 80105422 A 19800911**

Priority  
DE 2939322 A 19790928

Abstract (en)  
[origin: ES8105597A1] So-called spraying beams, being supports for spraying tubes or nozzles, are arranged in a continuous casting plant for cooling the strand along the surface thereof relative to the strand surface so that the width of the fan-shaped cooling water jets can be adapted to changing strand widths and thicknesses. The adjusting device for the spraying beams comprises two or more pivotable radius levers to which the spraying beams are connected, at least in zones, and which said levers can be locked in different pivoting positions so that the spraying beams or zones of spraying beams can be adjusted parallel with themselves and can be locked at different distances. The radius levers can also be pivotable along inclined planes so that the change of distance of the spraying beam is accompanied by a transverse displacement relative to the longitudinal axis of the strand.

IPC 1-7  
**B22D 11/124**; **B22D 11/12**

IPC 8 full level  
**B22D 11/12** (2006.01); **B22D 11/124** (2006.01); **B22D 11/22** (2006.01)

CPC (source: EP US)  
**B22D 11/1246** (2013.01 - EP US)

Cited by  
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