

Title (en)
INTERNALLY COOLED ROLL AND METHOD FOR MANUFACTURING THE SAME

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EP 0312744 B1 19920129 (DE)

Application
EP 88114237 A 19880901

Priority
DE 3735884 A 19871023

Abstract (en)
[origin: EP0312744A2] The invention relates to an internally cooled roll in which at least one helical coolant channel (2, 2') is recessed into the core of the roll. The coolant channel (2, 2') is covered by a profile element (7, 7') which, in cross-section, has the shape of a circular surface from which a segment has been cut. The profile element (7, 7') is welded to the core (1) on both sides of the coolant channel (2, 2'). A filling (8) of welding material is provided between adjacent sections of the profile element (7, 7'). The profile element (7, 7') and the filling (8) of welding material are covered with a wearing layer (9). <IMAGE>

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