

Title (en)
A casting roll and roll stand

Title (de)
Giessrolle und Walzgerüst

Title (fr)
Cylindre de coulée et cage de laminoir

Publication
EP 0873805 A1 19981028 (EN)

Application
EP 98303018 A 19980420

Priority
GB 9710663 A 19970424

Abstract (en)
The invention relates to a casting roll and casting stand therefore comprising an inner core (12) and an outer roll shell (11) and cooling channels (13) to permit liquid coolant to flow through the roll to cool the roll during casting, the shell being in intimate contact with the core and removably affixed thereto by an interference fit of at least 0.5 mm per metre of inner core diameter and the cooling channels are located within the roll shell. The cooling means may enter at one end of the roll and travel axially along the length of the roll and exits at the other end. The cooling channels (13) may be arranged in the roll core at least 20 mm from shell/core interface the grouped and connected to a coolant supply so that the direction of coolant flow can be reversed. <IMAGE>

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B22D 11/06; **B22D 11/128**

IPC 8 full level
B22D 11/06 (2006.01)

CPC (source: EP)
B22D 11/0682 (2013.01)

Citation (search report)
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• [Y] US 2850776 A 19580909 - HUNTER JOSEPH L
• [A] WO 9319874 A1 19931014 - DALFORS ANGSTROM N AB [SE], et al
• [A] US 3834205 A 19740910 - MAAG G, et al
• [Y] PATENT ABSTRACTS OF JAPAN vol. 006, no. 113 (M - 138) 24 June 1982 (1982-06-24)

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