

Title (en)  
COOLING OF A ROLL OF A ROLL STAND

Title (de)  
KÜHLUNG EINER WALZE EINES WALZGERÜSTS

Title (fr)  
REFROIDISSEMENT D'UN ROULEAU D'UNE CAGE DE LAMINOIR

Publication  
**EP 3308868 B1 20221207 (DE)**

Application  
**EP 16194099 A 20161017**

Priority  
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Abstract (en)  
[origin: WO2018073086A1] The invention relates to a cooling device (7) for cooling a roll (5) of a roll stand (1). The cooling device (7) comprises a chilled beam (13) for receiving and discharging a coolant. The chilled beam (13) has multiple full jet nozzles (21) disposed on a discharge side (19) of said chilled beam (13), said side facing the roll (5) and extending parallel to a roll axis (17) of said roll (5). Through each of the full-jet nozzles a jet of coolant having a nearly constant jet diameter can be sprayed from the chilled beam (13) towards the roll (5) in a discharge direction (23).

IPC 8 full level  
**B21B 27/10** (2006.01)

CPC (source: CN EP RU US)  
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Cited by  
WO2020020592A1; EP3599036A1; RU2764692C1; EP4212259A1; US11559830B2; EP3774100B1

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