

Title (en)
COOLING A ROLL OF A ROLL STAND

Title (de)
KÜHLUNG EINER WALZE EINES WALZGERÜSTS

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

Publication
EP 3525948 A1 20190821 (DE)

Application
EP 17791968 A 20171012

Priority
• EP 16194099 A 20161017
• EP 2017076000 W 20171012

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)
B21B 27/10 (2013.01 - CN EP RU US); **B21B 2027/103** (2013.01 - CN EP US)

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See references of WO 2018073086A1

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