

Title (en)
MILL STAND WITH HYBRID COOLING DEVICE

Title (de)
WALZGERÜST MIT HYBRIDER KÜHLEINRICHTUNG

Title (fr)
CAGE DE LAMINOIR POURVU DE DISPOSITIF DE REFROIDISSEMENT HYBRIDE

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Application
EP 18185862 A 20180726

Priority
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Abstract (en)
[origin: WO2020020592A1] The invention relates to a roll stand (1) for rolling flat rolling stock (2), comprising an upper working roller (3) and a lower working roller (4) that form a roll gap (5) between each other. The flat rolling stock (2) runs through the roll gap (5) in a transport direction (x) during rolling of the flat rolling stock (2). An upper cooling device (8), by means of which the upper working roller (3) is cooled, is arranged on the outlet side of the roll stand (1). The upper cooling device (8) has an upper spray boom (17), which extends parallel to the upper working roller (3) and has a plurality of upper spray nozzles (22), by means of which a liquid coolant (12) is sprayed onto the upper working roller (3). The upper cooling device (8) also has a lower spray boom (18), which extends parallel to the upper working roller (3) and has a plurality of lower spray nozzles (23), by means of which the liquid coolant (12) is sprayed onto the upper working roller (3). The lower spray boom (18) is arranged between the flat rolling stock (2) and the upper spray boom (17). At least some of the upper spray nozzles (22) are designed as flat jet nozzles, and at least some of the lower spray nozzles (23) are designed as full jet nozzles.

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