

Title (en)
COOLING LINE WITH VALVES AND PRESSURE VESSELS FOR PREVENTING PRESSURE SURGES

Title (de)
KUEHLSTRECKE MIT VENTILEN UND DRUCKGEFAESSEN ZUR VERMEIDUNG VON DRUCKSCHLAEGEN

Title (fr)
SECTION DE REFROIDISSEMENT POURVUE DE SOUPAPES ET DE RÉCIPIENTS À PRESSION PERMETTANT D'ÉVITER LES CHOCS DE PRESSION

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Abstract (en)
[origin: WO2021001162A1] The invention relates to a device for cooling a metal rolling stock (1) rolled in a rolling train, having multiple cooling devices (4), to which water (5) is supplied via a respective branch line (7) and by means of which the water (5) is applied to the rolling stock (1). The branch lines (7) are equipped with a respective valve (8), by means of which the water flow flowing through the respective branch line (7) is adjusted. Each of the valves (8) is paired with a drive (9), via which the respective valve (8) is actuated. The cooling devices (4) form multiple groups, each of which is paired with a dedicated pressure vessel (10) in a proprietary manner. Each pressure vessel (10) is connected to a respective feed line (12) at a respective connection point (11), and the water (5) is supplied to the branch lines (7) of the cooling devices (4) of the corresponding group via said feed line. When viewed in the flow direction of the water (5), each connection point (11) is arranged upstream of the valves (8) of the respective group of cooling devices (4).

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