

Title (en)

METHOD FOR COLD ROLLING OF METALLIC ROLLING STOCK IN PARTICULAR ROLLING STRIP WITH NOZZLES FOR GASEOUS OR LIQUID TREATMENT MEDIA

Title (de)

VERFAHREN ZUM KALTWALZEN VON METALLISCHEM WALZGUT, INSBESONDERE VON WALZBAND, MIT DÜSEN FÜR GASFÖRMIGE ODER FLÜSSIGE BEHANDLUNGSMEDIEN

Title (fr)

PROCEDE POUR LAMINER A FROID UNE MATIERE METALLIQUE A LAMINER, EN PARTICULIER UN FEUILLARD, LADITE CAGE ETANT POURVUE DE BUSES DESTINEES A PULVERISER DES AGENTS DE TRAITEMENT GAZEUX OU LIQUIDES

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Abstract (en)

[origin: US7472574B2] A method of and a rolling mill stand for cold rolling of a metallic rolling stock (1), in particular rolling strip (1b) with nozzles for gaseous or liquid treatment media, with which the rolling stock (1) is displaced under a processing temperature through a roll gap (40) of a roll pair of upper working roll (2) and lower working roll (3) to undergo plastic deformation, and which permits in addition to a rolling stock surface improvement, the lubrication and surface protection of the rolling stock (1) and the rollers (2, 3) by a reduction in roll separating, with introduction of deep-chilled media, whereby deep chilled inert gas (41), ambient temperature inert gas (41a), lubricant emulsion (42), of admixed base oil, or oil-free, non-residue evaporating hydrocarbons are introduced against the sides (2a; 3a) of the working rollers (2, 3), and/or the rolling gap (40), and/or the rolling stock (1) in groups of jets from individual rows of nozzles (6a to 22b) for lubrication, cooling, and for inerting.

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