

Title (en)

SPRAY LUBRICATION UNIT AND METHOD FOR ROLLING CYLINDERS

Title (de)

SPRÜHBESCHICHTUNGSEINHEIT UND VERFAHREN ZUM DREHEN VON ZYLINDERN

Title (fr)

INSTALLATION ET PROCEDE DE LUBRIFICATION PAR ATOMISATION POUR CYLINDRES DE LAMINAGE

Publication

EP 2195125 B2 20181031 (FR)

Application

EP 08837441 A 20081007

Priority

- BE 2008000077 W 20081007
- BE 200700486 A 20071008

Abstract (en)

[origin: WO2009046505A1] The invention relates to a unit for the in-line lubrication of cylinders (1) intended for the, preferably hot, rolling of a, preferably steel, metal strip, in which a lubricant is sprayed or atomised onto a target comprising the cylinders and/or the strip, preferably close to the roll gap, using a spray bar (2) formed by controllable air sprays (3) disposed parallel to said cylinders (1) and supplied with pressurised inert gas or air (4). The invention is characterised in that each spray (3) includes an inlet for pressurised inert gas or air (4) and an inlet for non-pressurised pure oil (5) disposed in an adaptor (6), followed by a mixing chamber (6') as well as an outlet nozzle (7) for the atomised mixture.

IPC 8 full level

B21B 27/10 (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

WO 2009046505 A1 20090416; BE 1017806 A3 20090707; BR PI0816606 A2 20180710; BR PI0816606 B1 20190827; CN 101821026 A 20100901; EP 2195125 A1 20100616; EP 2195125 B1 20141203; EP 2195125 B2 20181031; JP 2010540255 A 20101224; JP 5442619 B2 20140312; KR 101490354 B1 20150205; KR 20100072203 A 20100630; US 2010258380 A1 20101014; US 8544608 B2 20131001

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