

Title (en)  
FACILITY AND METHOD FOR COLD ROLLING METAL STRIP

Title (de)  
EINRICHTUNG UND VERFAHREN ZUM KALTWALZEN EINES METALLSTREIFENS

Title (fr)  
INSTALLATION ET PROCÉDÉ DE LAMINAGE À FROID DE BANDE MÉTALLIQUE

Publication  
**EP 3446800 A1 20190227 (EN)**

Application  
**EP 17785958 A 20170418**

Priority

- JP 2016084993 A 20160421
- JP 2017015523 W 20170418

Abstract (en)

In a facility for cold rolling a metal strip in a circulating oil-feeding system by jetting a low concentration coolant in a neighborhood of an inlet side of a work roll and jetting a high concentration coolant at an upstream side of the jetting position of the low concentration coolant to conduct rolling, the metal strip is cold rolled with the cold rolling facility provided with a control equipment for varying a jetting amount of the low concentration coolant in accordance with a rolling rate so that a tip of a liquid pool of the low concentration coolant formed on a surface of a steel sheet at an inlet side of the work roll does not reach a jetting position of the high concentration coolant, whereby the rolling can be performed without losing a plate-out property even if the rolling rate is decreased.

IPC 8 full level  
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