

Title (en)  
INTEGRATED PLANT WITH VERY LOW ENVIRONMENTAL IMPACT FOR PRODUCING HOT-ROLLED AND COLD-ROLLED STEEL STRIP

Title (de)  
INTEGRIERTE ANLAGE MIT SEHR NIEDRIGER UMWELTBELASTUNG ZUR HERSTELLUNG VON WARMGEWALZTEM UND KALTGEWALZTEM STAHLBAND

Title (fr)  
INSTALLATION INTÉGRÉE AVEC UN TRÈS FAIBLE IMPACT SUR L'ENVIRONNEMENT POUR PRODUIRE UNE BANDE D'ACIER LAMINÉE À FROID ET À CHAUD

Publication  
**EP 2998046 B1 20171115 (EN)**

Application  
**EP 15181694 A 20150820**

Priority  
IT MI20141581 A 20140912

Abstract (en)  
[origin: EP2998046A1] An integrated plant with very low environmental impact for producing coils of hot-rolled and cold-rolled steel strip comprises a foundry section (SF) for producing liquid steel directly connected to a continuous casting and hot rolling section (CCHR) with final winding of the strip into coils, which section (CCHR) is in turn connected to a cold rolling section (PCR) that is in connection with a finishing section (CF), said plant further comprising a longitudinal slitting section (SL) suitable to receive coils from each of said three working sections (CCHR, PCR, CF), a vehicle shredding section (AS) suitable to produce metal scrap fit for use as raw material in the foundry section (SF), a vehicle shredding residue burning section (ASRB) suitable to generate current to supply the plant, and a foundry slag treating section suitable to recycle the slag and recover heat therefrom.

IPC 8 full level  
**B22D 11/14** (2006.01); **B21B 1/46** (2006.01)

CPC (source: EP)  
**B22D 11/141** (2013.01); **B21B 1/463** (2013.01)

Cited by  
CN107338712A; CN110860685A; DE102020209299A1; WO2022017733A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2998046 A1 20160323; EP 2998046 B1 20171115; ES 2658065 T3 20180308**

DOCDB simple family (application)  
**EP 15181694 A 20150820; ES 15181694 T 20150820**