

Title (en)
METHOD AND INSTALLATION FOR HOT DIP COATING METAL STRIPS

Title (de)
VERFAHREN UND ANLAGE ZUM FEUERBESCHICHTEN VON METALLISCHEN BÄNDERN

Title (fr)
PROCEDE ET INSTALLATION DE REVETEMENT PAR TREMPE DE BANDES METALLIQUES

Publication
EP 1261751 A2 20021204 (DE)

Application
EP 01929356 A 20010224

Priority
• DE 10009823 A 20000301
• EP 0102104 W 20010224

Abstract (en)
[origin: US2003145914A1] In a process of hot dip coating of metal strips, in particular, of a hot rolled steel strip, in which the metal strip is transformed into a continuous strip in an unwinding station with an adjoining welding machine, and then the continuous strip is subjected to a downstream modifying process including primary and secondary pickling and, in the final treatment step; in the hot dip coating section, guiding the continuous strip through a melt bath, a variable coating process with reduced costs becomes possible when the continuous strip, in a first treatment step, is directly transported into a pickling installation. In a suitable installation for effecting the process, the primary pickling installation is located in the entry section which is separated from the hot dip coating section by an entry accumulator.

IPC 1-7
C23C 2/02; **C23C 2/40**

IPC 8 full level
C23C 2/00 (2006.01); **C23C 2/02** (2006.01); **C23C 2/36** (2006.01); **C23C 2/40** (2006.01); **C23G 3/02** (2006.01)

CPC (source: EP KR US)
B05C 3/125 (2013.01 - KR); **B05D 3/002** (2013.01 - KR); **C23C 2/0032** (2022.08 - KR); **C23C 2/40** (2013.01 - EP KR US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
US 2003145914 A1 20030807; **US 6811827 B2 20041102**; AT E257181 T1 20040115; BR 0108801 A 20021105; CA 2401746 A1 20010907; CN 1218063 C 20050907; CN 1408029 A 20030402; DE 10009823 A1 20010906; DE 50101264 D1 20040205; EP 1261751 A2 20021204; EP 1261751 B1 20040102; ES 2213695 T3 20040901; JP 2003526737 A 20030909; KR 100746297 B1 20070803; KR 20020089366 A 20021129; MX PA02008401 A 20030128; WO 0164970 A2 20010907; WO 0164970 A3 20011220

DOCDB simple family (application)
US 22038902 A 20021209; AT 01929356 T 20010224; BR 0108801 A 20010224; CA 2401746 A 20010224; CN 01805899 A 20010224; DE 10009823 A 20000301; DE 50101264 T 20010224; EP 0102104 W 20010224; EP 01929356 A 20010224; ES 01929356 T 20010224; JP 2001563654 A 20010224; KR 20027011203 A 20020827; MX PA02008401 A 20010224