

Title (en)
STRIP DEFLECTOR AND ROLL ASSEMBLY

Title (de)
BANDABWEISER UND WALZENANORDNUNG

Title (fr)
DÉFLECTEUR DE BANDE ET ENSEMBLE DE CYLINDRE

Publication
EP 3140056 A1 20170315 (DE)

Application
EP 15707991 A 20150306

Priority

- DE 102014208333 A 20140505
- DE 102014210038 A 20140526
- DE 102014222530 A 20141105
- EP 2015054726 W 20150306

Abstract (en)
[origin: WO2015169475A1] The invention relates to a strip deflector for deflecting a rolling medium from the surface of a metal strip. The invention further relates to a roll assembly, comprising a roll, adjacent to which the strip deflector is placed at a distance, and comprising the strip deflector according to the invention. The strip deflector consists substantially of a main body, in which a compressed-air chamber and a nozzle (116) connected to the compressed-air chamber in a flow-conducting manner are formed. The nozzle (116) comprises a first nozzle channel segment (116-I) connected to the compressed-air chamber (114) and a second nozzle channel segment (116-II) connected downstream. According to the invention, in order to improve the sealing action of the strip deflector with respect to the roll in a roll stand, the side wall (116-I-2) facing away from the tip (112) of the main body (110) is bent away from the tip (112) of the strip deflector, a second separation edge (119) thus being formed at the end of the second nozzle channel segment (116-II).

IPC 8 full level
B21B 27/10 (2006.01); **B21B 45/02** (2006.01)

CPC (source: EP KR RU US)
B21B 27/10 (2013.01 - EP KR RU US); **B21B 39/14** (2013.01 - US); **B21B 39/16** (2013.01 - EP KR US); **B21B 45/0278** (2013.01 - EP KR US); **B21B 2203/18** (2013.01 - KR)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102014222530 A1 20151105; BR 112016025858 A2 20180619; CN 106660089 A 20170510; CN 106660089 B 20190104; EP 3140056 A1 20170315; EP 3140056 B1 20180627; ES 2688756 T3 20181106; JP 2017514699 A 20170608; JP 6351758 B2 20180704; KR 101867078 B1 20180723; KR 20160146935 A 20161221; MY 179859 A 20201118; RU 2016145922 A 20180605; RU 2016145922 A3 20180605; RU 2657888 C2 20180618; TW 201542303 A 20151116; TW I602625 B 20171021; UA 115638 C2 20171127; US 10406574 B2 20190910; US 2017056945 A1 20170302; WO 2015169475 A1 20151112

DOCDB simple family (application)
DE 102014222530 A 20141105; BR 112016025858 A 20150306; CN 201580036111 A 20150306; EP 15707991 A 20150306; EP 2015054726 W 20150306; ES 15707991 T 20150306; JP 2016566679 A 20150306; KR 20167032696 A 20150306; MY PI2016704062 A 20150306; RU 2016145922 A 20150306; TW 104107891 A 20150312; UA A201612239 A 20150306; US 201515307867 A 20150306