

Title (en)  
STRAND GUIDE SEGMENT OF A CONTINUOUS CASTING LINE AND CONTINUOUS CASTING LINE

Title (de)  
SEGMENT EINER STRANGFÜHRUNG EINER STRANGGIESSANLAGE UND STRANGGIESSANLAGE

Title (fr)  
SEGMENT DE GUIDAGE DE BRAMME D'UNE INSTALLATION DE COULEE CONTINUE ET INSTALLATION DE COULEE CONTINUE

Publication  
**EP 3097995 B1 20190612 (DE)**

Application  
**EP 16164086 A 20160406**

Priority  
AT 504252015 A 20150527

IPC 8 full level  
**B22D 11/128** (2006.01); **B22D 11/14** (2006.01)

CPC (source: AT EP)  
**B21B 1/46** (2013.01 - AT); **B22D 11/12** (2013.01 - AT); **B22D 11/1287** (2013.01 - AT EP); **B22D 11/14** (2013.01 - EP);  
**B22D 11/208** (2013.01 - EP); **B22D 11/225** (2013.01 - AT)

Citation (opposition)  
Opponent : SMS group GmbH

- DE 10039015 C1 20020117 - SMS DEMAG AG [DE]
- EP 2192313 A1 20100602 - JTEKT CORP [JP]
- EP 1767289 A2 20070328 - SMS DEMAG AG [DE]
- JP 2005014029 A 20050120 - JFE STEEL KK
- KR 20140034482 A 20140320 - POSCO [KR]
- LOTHAR FISHER: "SMS Siemag Slab Casting Technology", EUROPEAN CONTINUOUS CASTING CONFERENCE 2014, 2014, pages 1 - 16, XP055711828
- ANONYMOUS: "Complete quality control, X-Cast LASr plant assistant", SMS GROUP - BROCHURE, May 2014 (2014-05-01), XP055711806
- BRUCE D. HORN: "Continuous caster rolls: Design, function and performance", IRON AND STEEL ENGINEER, vol. 73, no. 7, 1 July 1996 (1996-07-01), pages 49 - 54, XP000630108

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 3097995 A1 20161130; EP 3097995 B1 20190612; EP 3097995 B2 20221102; AT 517252 A1 20161215; AT 517252 B1 20190315**

DOCDB simple family (application)  
**EP 16164086 A 20160406; AT 504252015 A 20150527**