

Title (en)  
Process and device for the production of continuously cast steel products

Title (de)  
Verfahren und Vorrichtung zum Herstellen von stranggegossenen Stahlerzeugnissen

Title (fr)  
Procédé et installation pour la production d'un produit en acier coulé en continu

Publication  
**EP 1050355 A3 20010328 (DE)**

Application  
**EP 00108747 A 20000422**

Priority  
DE 19921296 A 19990507

Abstract (en)  
[origin: EP1050355A2] The continuous casting operation uses a soft reduction action on the molten core of the cast material. The shaping section u only a pair of rollers (23) with the pull forces (Z) on the cast material as the control value. The comparison between nominal a actual values is used to set the ratio between the position of the paired rollers (23) and the peak (S) of the soft zone, so tha the cast strand is hardened throughout directly in the roller gap between the two rollers (24,25).

IPC 1-7  
**B22D 11/20**

IPC 8 full level  
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CPC (source: EP KR)  
**B22D 11/04** (2013.01 - KR); **B22D 11/1206** (2013.01 - EP); **B22D 11/1282** (2013.01 - EP); **B22D 11/1287** (2013.01 - KR);  
**B21B 1/463** (2013.01 - EP); **B21B 2201/14** (2013.01 - EP)

Citation (search report)  
• [A] EP 0903192 A1 19990324 - KVAERNER METALS CONT CASTING [GB]  
• [A] DE 4436328 A1 19950420 - VOEST ALPINE IND ANLAGEN [AT]  
• [A] DE 4138740 A1 19930527 - SCHLOEMANN SIEMAG AG [DE]  
• [A] EP 0834364 A2 19980408 - SCHLOEMANN SIEMAG AG [DE]  
• [DA] EP 0603330 B1 19960403 - ARVEDI GIOVANNI [IT]

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JP 2000326060 A 20001128; KR 100707785 B1 20070413; KR 20000077170 A 20001226; MX PA00004353 A 20020312

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