

Title (en)

CONTINUOUS CASTING AND ROLLING APPARATUS AND CONTINUOUS CASTING AND ROLLING METHOD

Title (de)

STRANGGIESS- UND WALZVORRICHTUNG SOWIE STRANGGIESS- UND WALZVERFAHREN

Title (fr)

APPAREIL DE COULÉE CONTINUE ET DE LAMINAGE ET PROCÉDÉ DE COULÉE CONTINUE ET DE LAMINAGE

Publication

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Application

EP 15894344 A 20150924

Priority

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Abstract (en)

[origin: EP3305437A1] A continuous casting and rolling apparatus, according to an embodiment of the present invention, comprises: a continuous casting machine that produces a slab; a rolling mill that includes a roughing mill located on a side of the outlet of the continuous casting machine and a finishing mill located on a side of the outlet of the roughing mill and makes the slab subjected to rolling; a cutting machine located on a side of the inlet of the roughing mill and/or on a side of the inlet of the finishing mill; and a controller that is electrically connected with the cutting machine to control the driving of the cutting machine and determines whether to perform mode switching between a continuous rolling mode in which the slab is supplied as a continuous body from the continuous casting machine and the rolling mill and a discontinuous rolling mode in which the slab is cut by the cutting machine in order to select the continuous or discontinuous rolling mode, wherein a predetermined expression is satisfied in a case where the controller selects the continuous rolling mode.

IPC 8 full level

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Citation (search report)

- [X] US 2010275667 A1 20101104 - SEIDEL JUERGEN [DE], et al
- [X] KR 20130075799 A 20130708 - POSCO [KR]
- See references of WO 2016195172A1

Cited by

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