

Title (en)
APPARATUS FOR THE AUTOMATIC STARTUP OF A CONTINUOUS CASTING LINE

Title (de)
VORRICHTUNG ZUR AUTOMATISCHEN INBETRIEBNAHME EINER STRANGGUSSANLAGE

Title (fr)
APPAREIL POUR LA MISE EN MARCHÉ AUTOMATIQUE D'UNE LIGNE DE COULÉE CONTINUE

Publication
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Application
EP 17000615 A 20170411

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Abstract (en)
An apparatus for the automatic startup of a continuous casting line, for example for the production of aluminum or zinc strips, including a vessel which is connected to a tip by means of a gate, the tip feeding a casting housing; the apparatus is characterized in that it includes a laser device which measures the level of the metal within the vessel, a level control device, which adjust the introduction of liquid metal into the vessel, a gate actuator to control the gate for providing a barrier between the vessel and the tip, a transducer for the temperature of the metal inside the vessel, and a PLC which receives data from the temperature transducer and from the laser device in order to control the level control device and the gate actuator, so as to adjust the level of the metal in the vessel in order to ensure a correct and continuous flow of metal toward the casting cylinders, in order to avoid poor diffusion of the metal inside the tip.

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Citation (search report)

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