

Title (en)

PROCESS AND RELEVANT EQUIPMENT FOR CARRYING OUT THE CONTINUOUS CASTING OF STEEL IN THE COMPLETE ABSENCE OF OXIDATING AGENTS

Publication

EP 0352356 B1 19920122 (EN)

Application

EP 88112281 A 19880729

Priority

- EP 88112281 A 19880729
- IT 2076688 A 19880527

Abstract (en)

[origin: EP0352356A1] Process for carrying out the process of continuous casting of steel, and in particular of killed steel, consisting in carrying out all the operating steps of the casting in which the liquid steel is in contact with air in a closed chamber, free from oxygen, in maintaining inside said chamber an atmosphere of an inert gas, and in providing closed-loop conditioning means in order to eliminate heat, fumes and vapours generated by the process. In order to carry out such a process, an equipment is provided, which is constituted by an air-tight chamber, with a portion of the walls of said air-tight chamber being made from a transparent material, and with said air-tight chamber (14) enclosing all the casting areas wherein liquid steel (4) is in contact with atmosphere, means for maintaining inside said chamber an inert atmosphere, free from oxygen, closed-loop conditioning means for eliminating heat, fumes and vapours released by the casting process being furthermore provided, as well as means to allow attending personnel, equipped with mask or tight suit to enter the chamber and control the process.

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IPC 8 full level

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IPC 8 main group level

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