

Title (en)

Plant for treatment of liquid steel and process for running the same.

Title (de)

Anlage zur Behandlung flüssigen Stahls und Verfahren zum Betrieb einer derartigen Anlage.

Title (fr)

Installation pour le traitement d'acier liquide et procédé pour son emploi.

Publication

EP 0512658 B1 19950301 (DE)

Application

EP 92250092 A 19920423

Priority

DE 4114613 A 19910502

Abstract (en)

[origin: EP0512658A1] The invention relates to plant for the secondary metallurgical treatment of molten steel, which is arranged within a production chain consisting of a melting device, such as an electric furnace or converter, and a casting device, in particular a continuous casting device. A solution is to be found which, at the lowest possible cost, ensures a high degree of flexibility and an adaptation of the VOD transformation time to the cycle times of the upstream and/or downstream melting and casting devices. For this purpose, the plant is designed with two stands for in each case one vessel (1, 1') which can be evacuated and contains a steel melt, which contain devices (6, 6') for feeding oxygen and devices (7, 7') for adding additives to the melt, and with pipes (3) which connect the vessels (1, 1') to a device for generating a vacuum, a device consisting of a water ring pump station (5') for generating a moderate vacuum and a device (4, 5) consisting of water ring pumps (4) and steam ejectors (5) for generating a deep vacuum being provided, and the vessels being selectively connectable only to the device for generating a moderate vacuum (5') or to the device for generating a deep vacuum (4, 5). <IMAGE>

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