

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>

IPC 1-7

**C21C 7/10**; **C22B 9/04**

IPC 8 full level

**C21C 7/10** (2006.01); **C22B 9/04** (2006.01)

CPC (source: EP US)

**C21C 7/10** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0512658 A1 19921111**; **EP 0512658 B1 19950301**; **EP 0512658 B2 19980701**; AT E119210 T1 19950315; DE 4114613 A1 19921105; DE 4114613 C2 19930708; DE 59201502 D1 19950406; ES 2068672 T3 19950416; JP 3387522 B2 20030317; JP H05148528 A 19930615; US 5242484 A 19930907

DOCDB simple family (application)

**EP 92250092 A 19920423**; AT 92250092 T 19920423; DE 4114613 A 19910502; DE 59201502 T 19920423; ES 92250092 T 19920423; JP 14000392 A 19920501; US 87814392 A 19920504