

Title (en)
SNORKELS FOR VACUUM DEGASSING OF STEEL

Title (de)
DURCHLAUFROHR ZUM ENTGASEN VON SCHMELZFLUESSIGEM STAHL

Title (fr)
SCHNORCHELS POUR DÉGAZAGE SOUS VIDE DE L ACIER

Publication
EP 1957681 B1 20130220 (EN)

Application
EP 05814356 A 20051121

Priority
• PL 2005000078 W 20051121
• PL 37663305 A 20050816

Abstract (en)
[origin: WO2007021207A1] Snorkels of recirculating vacuum-degasser of steel installed in the lower section of the vacuum chamber of the degasser unit, one of which is the metal-drawing snorkel equipped with pipe supplying inert gas to ladle and the other is a recirculating snorkel, the lower section of said vacuum chamber being provided with chute for alloying additions, burner hole and gas-suction duct and for vacuum creation in the chamber, internal and external linings of said snorkels being held by steel casings, wherein said metal-drawing snorkel (3) and said recirculating snorkel (4) and rings of the throat (1) of said vacuum chamber (2) of said degasser unit are made as monolithic sets (5) and (6) in which ceramic blocks (10) of the internal lining are made of several layers of rings bound with each other with similar blocks overlapping each other, said external refractory lining (8) of said metal-drawing snorkel (3) and said recirculating snorkel (4) in both of said monolithic sets (5) and (6) being provided with perforation (12), whereas said steel casings (7) of said sets being provided with a cooling system (11).

IPC 8 full level
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