

Title (en)

Lance for blowing oxygen onto liquid metal

Title (de)

Sauerstofflanze und Verfahren zum Verblasen von flüssigem Metall

Title (fr)

Lance de soufflage d'oxygène dans un bain de métal liquide

Publication

EP 0832987 B1 20011128 (DE)

Application

EP 97115765 A 19970910

Priority

DE 19638148 A 19960918

Abstract (en)

[origin: EP0832987A1] The lance for blowing gases into liquid metal in a converter consists of two concentric pipes (4, 7). The inner pipe (4) serves for delivery of a gas containing oxygen, while an inert gas is delivered through the outer pipe (7). The lance is characterized by the fact that the distance between the inner and outer pipes is at least 1.5 mm, while the thickness of the outer pipe is at least 2.5 mm. The claim covering a method for blowing gases into liquid metal is summarized below.

IPC 1-7

C22B 15/06; C21C 5/46; C21C 5/48; F27D 3/16; C22B 9/05; C22B 23/02

IPC 8 full level

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CPC (source: EP)

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EP 0832987 A1 19980401; **EP 0832987 B1 20011128**; AT E209703 T1 20011215; CZ 293197 A3 19980715; CZ 294660 B6 20050216; DE 19638148 A1 19980319; DE 59705520 D1 20020110; PL 187501 B1 20040730; PL 322128 A1 19980330

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