

Title (en)

Lance for introducing reactants into molten metal

Title (de)

Lanze zum Einbringen von Behandlungsmitteln in Metallschmelzen

Title (fr)

Lance pour l'introduction d'agents de traitement dans des masses métalliques en fusion

Publication

**EP 0594326 B1 19970917 (EN)**

Application

**EP 93307955 A 19931006**

Priority

GB 9221842 A 19921017

Abstract (en)

[origin: EP0594326A1] The invention relates to a lance used to introduce reactants into molten metal, e.g. steel and aims to provide a lance of improved service life. The lance of the invention comprises an inner tube (21) and a refractory casing (25), the inner tube having an inlet (22) adjacent one end and an outlet (26) adjacent its other end, whereby reactant can be injected through the lance, in which the inner tube (21) is spaced from an outer tube (23) to provide an annular air gap (24) between the two tubes, the refractory casing (25) being provided on the outer tube (23) and a gas pipe (27) extending between the inner and outer tubes (21,23), the gas pipe (27) having its outlet adjacent the region of the outlet (26) of the inner tube (21), whereby gas passing through the pipe (27) can exit to atmosphere through the annular air gap (24).

IPC 1-7

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IPC 8 full level

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