

Title (en)

Holder for a tuyère made of refractory material, and process for preventing wear during use.

Title (de)

Düsenträger aus feuerfestem Material sowie Verfahren zur Verminderung seines Verschleisses während der Benutzung.

Title (fr)

Élément réfractaire porte-tuyère et procédé de prévention de l'usure du réfractaire faisant application dudit élément.

Publication

EP 0112769 A2 19840704 (FR)

Application

EP 83402453 A 19831219

Priority

FR 8221764 A 19821224

Abstract (en)

1. A refractory tuyere holding element for a vessel for treating a liquid metal, of the type which comprises a refractory mass surrounding an injection tuyere, said refractory mass being provided with passages connected to a source of pressurized auxiliary protection fluid which opens into the liquid metal bath, characterized in that it consists of a plurality of subelements made of compact refractory material (2, 3, 4, 5) separated by narrow slits performing the role of said passages and connected to a source (16) of liquid or gaseous carbonaceous agent.

Abstract (fr)

Cet élément réfractaire porte-tuyère comprend un assemblage de plusieurs sous - éléments en matériau réfractaire compact (2, 3, 4, 5) séparés par des fentes minces reliées à une source (16) d'agent carboné liquide ou gazeux susceptible d'apporter, par imprégnation des couches supérieures de l'élément réfractaire, du carbone protecteur. L'agent carbone peut être un hydrocarbure et particulièrement du fuel liquide. Cette disposition permet de freiner l'usure du réfractaire.

IPC 1-7

C21C 7/072; **C21C 5/48**; **C21C 5/32**; **C22B 9/05**

IPC 8 full level

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CPC (source: EP)

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