

Title (en)

Positioning device for combustible/oxygen lances

Title (de)

Postitioniereinrichtung für Brennstoff/Sauerstoff-Lanzen

Title (fr)

Dispositif de mise en place pour des lances à combustible/oxygène

Publication

EP 1213553 A3 20031001 (DE)

Application

EP 01128686 A 20011201

Priority

DE 10060727 A 20001207

Abstract (en)

[origin: EP1213553A2] The positioning system for lance for injecting a fuel/oxygen mixture into the smelting zone of a smelting oven for metal production, especially cast iron or alloy production using a cupola furnace, comprises a housing (1) with a slide chamber (5). The lance (2) is mounted in this on a spiral spring suspension (3) and can be moved axially by a guide rod (4)

IPC 1-7

F27D 3/16; **F27B 3/22**; **F27B 1/16**; **C21B 7/16**

IPC 8 full level

C21C 5/46 (2006.01); **F27B 1/10** (2006.01); **F27B 3/22** (2006.01); **F27D 3/16** (2006.01)

CPC (source: EP)

C21C 5/462 (2013.01); **F27B 1/10** (2013.01); **F27B 3/225** (2013.01); **F27D 3/16** (2013.01); **F27D 2003/169** (2013.01)

Citation (search report)

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- [A] US 5544868 A 19960813 - RANDALL GUY [US], et al
- [A] US 3626501 A 19711207 - BAIRD ROGER B, et al
- [A] US 5522916 A 19960604 - KARINTHI PIERRE [FR], et al

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CN113878785A

Designated contracting state (EPC)

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

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EP 1213553 A2 20020612; **EP 1213553 A3 20031001**; **EP 1213553 B1 20051207**; AT E312327 T1 20051215; DE 10060727 A1 20020627; DE 50110026 D1 20060720

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