

Title (en)

Heating method and apparatus.

Title (de)

Verfahren zum Erhitzen und Vorrichtung.

Title (fr)

Procédé et appareil de chauffage.

Publication

EP 0511825 A1 19921104 (EN)

Application

EP 92303815 A 19920428

Priority

GB 9109383 A 19910501

Abstract (en)

Molten material, for example steel, is poured from a ladle 2 into a tundish 6. The molten material is heated in the tundish by means of electric arcs struck between graphite electrodes 22 and 24 and the surface 12 of the material in the tundish 6. The electric arcs are stabilised by means of a gas such as argon which is passed down axial passages in the electrodes 22 and 24. Each electrode 22 and 24 receives a direct current electricity supply from a power source 34. <IMAGE>

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B22D 11/10; **B22D 41/01**

IPC 8 full level

B22D 11/11 (2006.01); **B22D 41/015** (2006.01)

CPC (source: EP)

B22D 11/11 (2013.01); **B22D 41/015** (2013.01)

Citation (search report)

- [X] GB 2239828 A 19910717 - DAVY MCKEE [GB]
- [A] EP 0235340 A1 19870909 - NIPPON STEEL CORP [JP]
- [A] AT 320884 B 19750310 - ASEA AB [SE]
- [A] US 4357485 A 19821102 - LAMARQUE GABRIEL

Cited by

CN112974754A; GB2306361A; GB2306361B

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