

Title (en)
Plasma tundish heating.

Title (de)
Plasmabeheizung einer Tundisher.

Title (fr)
Réchauffage du plasma utilisé dans un tundish.

Publication
EP 0453188 A2 19911023 (EN)

Application
EP 91303238 A 19910411

Priority
GB 9008833 A 19900419

Abstract (en)
A method of heating molten material in a tundish employs a plasma torch. The plasma comprises a mixture of argon and one or more of nitrogen, hydrogen, neon and helium. A mixture of argon and helium including from 10 to 20% by volume of helium is useful for heating steel. For an arc of given length, a higher voltage is obtainable than when pure argon is used as the plasma gas. The torch is preferably engaged by a horizontal support arm which is pivotally mounted on an extensible support so as to facilitate location of the torch in a limited space above the tundish.
<IMAGE>

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IPC 8 full level
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CPC (source: EP KR)
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Cited by
EP0627275A3; FR2666819A1; GB2306361A; GB2306361B; EP0897770A1; FR2767081A1; US5963579A; EP0875319A1; FR2762535A1; US6110416A

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