

Title (en)

PROCESS AND DEVICE FOR REMOVING IMPURITIES CONTAINED IN MELTED IRON FLOWING FROM SHAFT FURNACE

Publication

EP 0172913 B1 19900307 (EN)

Application

EP 85900768 A 19850204

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- JP 1918084 A 19840204
- JP 1918184 A 19840204
- JP 1918284 A 19840204

Abstract (en)

[origin: WO8503525A1] A slag trough (2N) for removing molten shaft furnace slag isolated from melted iron by a skimmer (3) is provided upstream from the skimmer (3) mounted in midway on a molten iron trough (1), and at least two partition walls (4a, 4b, 4c) are provided at a predetermined distance in the trough (1) downstream from the skimmer (3), the trough (1) is thus partitioned into at least two reaction zones (6a, 6b, 6c), lances (8a, 8b, 8c) for blowing particular flux for removing the impurities contained in the molten iron via carrier gas are disposed substantially vertically above the two reaction zones, the lower ends of the lances are isolated substantially vertically from the surface of the melted iron, and branch slag troughs (9a, 9b, 9c) are respectively provided with at least two reaction zones (6a, 6b, 6c).

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DE 3590051 C2 19870416; BR 8504996 A 19860121; DE 3590051 T 19860313; EP 0172913 A1 19860305; EP 0172913 A4 19860605; EP 0172913 B1 19900307; GB 2162860 A 19860212; GB 2162860 B 19880203; GB 8518758 D0 19850829; IN 165408 B 19891007; WO 8503525 A1 19850815

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