

Title (en)

Suction head for slag removal.

Title (de)

Saugkopf zum Entfernen von Schlacke.

Title (fr)

Tête d'aspiration destinée à l'enlèvement du laitier.

Publication

EP 0213766 A1 19870311 (EN)

Application

EP 86305955 A 19860801

Priority

- JP 7949686 A 19860407
- JP 12132185 U 19850807

Abstract (en)

A nozzle or nozzles for spraying cooling water are disposed at the lower end of a slag suction path. A cooling water down-flow passage 15 is provided on the outer periphery of an inner tube 14 which constitutes a slag suction path. A water sump 21 is provided below the cooling water down-flow passage 15, the water sump 21 being located lower than the each nozzle. A lower end opening 24 of the cooling water down-flow passage 15 is disposed lower than the each nozzle 17A, 17B and is submerged in water in the water sump 21. The cooling water down-flow passage, except the lower end opening, is adapted to be closed up. When the cooling water down-flow passage 15 is closed up, water in the passage is stopped by atmospheric pressure acting upon the surface of the water in the water sump, so that it is prevented from flowing down.

IPC 1-7

F27D 3/15

IPC 8 full level

F27D 3/15 (2006.01)

CPC (source: EP)

F27D 3/1572 (2013.01)

Citation (search report)

- [A] US 3979108 A 19760907 - NAGASAKI KATSUMI, et al
- [A] US 4077615 A 19780307 - NAGASAKI KATSUMI, et al
- [A] US 4166609 A 19790904 - INOUE YOSHIHIRO [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN, page 379 C 77; & JP - A - 52 13404 (KUBOTA TEKKO K.K.) 02-01-1977
- [A] SOVIET INVENTIONS ILLUSTRATED, Section Chemical, Week D26, 5th August 1981, abstract no. M22 P53 Q77, Derwent Publications Ltd., London, GB; & SU - A - 761 139 (GORBENKO I F) 07-09-1980

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