

Title (en)

Ladle for receiving and optionally after-treating and/or transporting hot liquid metals.

Title (de)

Pfanne zum Aufnehmen und ggf. Nachbehandeln und/oder Transportieren von heißen, flüssigen Metallen.

Title (fr)

Poche pour recevoir et, le cas échéant, post-traiter et/ou transporter du métal liquide chaud.

Publication

**EP 0184634 A1 19860618 (DE)**

Application

**EP 85113038 A 19851015**

Priority

DE 3443281 A 19841128

Abstract (en)

1. Ladle for receiving and, where necessary, for subsequent treatment and/or transportation of hot, molten, metals which are poured from a preceding melting unit into the ladle (10), which a lining (14) made of high-temperature-resistant material such as, for example, chamotte bricks which lie adjacent to one another and cover the base and side walls of the ladle and have, at the point of impact (18) of the pouring stream of molten metal (19), an impact element which projects above the adjacent surface (23) of the lining (14), characterized in that the impact element is a domed element (20) inset into the lining (14), of which the domed surface (22) is directed against the pouring stream of molten metal and blends without a step into the surface (23) of the adjacent lining (17) and of which the smallest diameter D or the smallest edge length at the transition to this surface (23) is larger than the diameter (d) of the pouring stream of molten metal (19) at the point of impact (18).

Abstract (de)

Pfanne zum Aufnehmen und ggf. Nachbehandeln und/oder Transportieren von heißen, flüssigen Metallen, bei der in der Bodenausmauerung (17) an der Auftreffstelle (18) des Gießstrahles (19) ein Buckelstein (20) eingefügt ist, auf dessen sich über die Oberfläche (23) der Bodenausmauerung (17) erhebender Buckelfläche (22) der Gießstrahl (19) auftrifft und seitlich in die Pfanne widerstandsfrei abfließt, um einen voreilenden Verschleiß im Auftreffbereich des Gießstrahles zu vermeiden.

IPC 1-7

**B22D 41/02**; **C21C 1/06**

IPC 8 full level

**B22D 41/00** (2006.01); **B22D 41/02** (2006.01); **C21C 1/06** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [Y] FR 2316027 A1 19770128 - DAUSSAN & CO [FR]
- [A] DE 3114069 A1 19821028 - DIDIER WERKE AG [DE]
- [A] PATENTS ABSTRACTS OF JAPAN, Band 7, Nr. 143 (C-172) [1288], 22. Juni 1983; & JP - A - 58 55 515 (SUMITOMO KINZOKU KOGYO K.K.) 01.04.1983

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