

Title (en)

LADLE FOR RECEIVING AND OPTIONALLY AFTER-TREATING AND/OR TRANSPORTING HOT LIQUID METALS

Publication

**EP 0184634 B1 19880817 (DE)**

Application

**EP 85113038 A 19851015**

Priority

DE 3443281 A 19841128

Abstract (en)

[origin: EP0184634A1] 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).

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)

**B22D 41/003** (2013.01)

Cited by

US9643248B2; EP1591177A1; CN108097941A; CN106424688A; EP0454653A1; BE1004119A3; EP0847821A1; FR2756762A1; CN1067610C; EP0387229A1; BE1002866A5; CN106363158A; CN110267753A; EP3544755A4; US2021323055A1; US7131482B2

Designated contracting state (EPC)

AT BE FR GB IT LU NL SE

DOCDB simple family (publication)

**EP 0184634 A1 19860618; EP 0184634 B1 19880817**; AT E36480 T1 19880915; DE 3443281 A1 19860605; DE 3443281 C2 19871217; ES 296282 U 19870901; ES 296282 Y 19880416; NO 166219 B 19910311; NO 166219 C 19910619; NO 854744 L 19860529; PT 81395 A 19851101; PT 81395 B 19870112

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**EP 85113038 A 19851015**; AT 85113038 T 19851015; DE 3443281 A 19841128; ES 296282 U 19851029; NO 854744 A 19851127; PT 8139585 A 19851030