

Title (en)

TAPPING ASSEMBLY FOR CONVERTERS

Publication

**EP 0057946 B1 19860514 (DE)**

Application

**EP 82200053 A 19820118**

Priority

AT 52481 A 19810205

Abstract (en)

[origin: ES271921U] A taphole apparatus for a steel-making converter, which is comprised of a series of refractory blocks each defining a bore and the bores being aligned to define respective and successive sections of the taphole, the bore of a first one of the refractory blocks at a hot inlet end of the taphole being funnel-shaped and the bore of a last one of the refractory blocks at a cold outlet end of the tap hole having a smaller diameter than the funnel-shaped bore at the hot inlet end.

IPC 1-7

**C21C 5/44; C21C 5/46**

IPC 8 full level

**C21C 5/44 (2006.01); C21C 5/46 (2006.01)**

CPC (source: EP US)

**C21C 5/445 (2013.01 - EP US); C21C 5/4653 (2013.01 - EP US)**

Cited by

KR100861849B1; DE102004050701B3; EP0249647A1; DE4208520A1; US5310164A; EP0561181A3; DE102004027440B3; CN100429323C; EA008914B1; US7556765B2; WO2005118889A3; WO2017157444A1

Designated contracting state (EPC)

BE DE FR GB IT LU NL SE

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**EP 0057946 A1 19820818; EP 0057946 B1 19860514;** AT 387039 B 19881125; AT A52481 A 19820515; BR 8200598 A 19821214; CA 1170450 A 19840710; DE 3271083 D1 19860619; DE 8202727 U1 19820708; DK 151104 B 19871102; DK 151104 C 19880620; DK 48182 A 19820806; DZ 375 A1 20040913; ES 271921 U 19831016; ES 271921 Y 19840416; JP H0211651 B2 19900315; JP S57145919 A 19820909; TR 21471 A 19840628; US 4427184 A 19840124; ZA 82358 B 19821229

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