

Title (en)

APPARATUS FOR THE REPLACEMENT OF RUNNERS OF SHAFT FURNACES

Publication

**EP 0279165 B1 19900801 (DE)**

Application

**EP 88100101 A 19880107**

Priority

DE 3705099 A 19870218

Abstract (en)

[origin: US4828228A] A device for changing tap runners in shaft furnaces includes tap runners which have linings subject to wear and therefore such runners must be repaired regularly. Transport of the runner requires a considerable crane capacity with correspondingly heavy building construction. The device according to the invention permits transport of the tap runner without a casting room crane. Instead, the tap runner is raised or lowered between the mill floor, or another level, and a tapping platform by means of hydraulically driven traction elements taking support on runner supports arranged at tapping platform level.

IPC 1-7

**C21B 7/14**

IPC 8 full level

**C21B 7/14** (2006.01)

CPC (source: EP US)

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Cited by

LU91082B1; LU91135B1; DE19532040A1; US5673901A; DE19532040C2; WO2005118888A1

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