

Title (en)
Apparatus for opening the taphole of a shaft furnace

Title (de)
Schachtofen-Abstichlochbohrer

Title (fr)
Machine de perçage d'un trou de coulée d'un four à cuve

Publication
EP 0552476 B1 19961030 (FR)

Application
EP 92121659 A 19921219

Priority
LU 88058 A 19920124

Abstract (en)
[origin: GB2263537A] A machine piercing a taphole for a shaft furnace by the lost rod method comprises a mounting (20), with a support (52) installed on the mounting so as to support the rod (26) at the front of the mounting (20) and a rear support (30) which can move on the mounting. The rear support is provided with means for being coupled to the rear end of the rod (26). A clamp (34) is mounted in a sliding manner on the mounting and is designed to grip the rod (25) at any place between the said front support (32) and the said rear support (20). A powerful rotary motor (42) installed at the rear of the mounting (20) drives an endless chain (44) installed axially in the mounting (20). The clamp (34) is connected to a carriage 36 which is attached to the endless chain (44). During the insertion of the rod into the taphole clay, repeated reversal of the direction of rotation of the motor (42) coupled with synchronous opening and closing of the clamp 34 is effective to drive the rod into place in a step-wise fashion.
<IMAGE>

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F27D 3/15; C21B 7/12

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