

Title (en)

Boring cutter head for tapping hole of shaft furnaces

Title (de)

Bohrkopf zum Bohren von Hochofen-Stichlöchern

Title (fr)

Foret de perçage des trous de coulée des hauts fourneaux

Publication

EP 0576784 B1 19980520 (DE)

Application

EP 93101567 A 19930202

Priority

DE 9207632 U 19920605

Abstract (en)

[origin: EP0576784A1] The present invention relates to a boring cutter head (1) for boring tapping holes on shaft furnaces, consisting of a steel-pipe piece (4) and at least two elongate steel pieces (6) which are arranged on the circumferential surface (8) of the steel-pipe piece (4), distributed over its circumference and projecting radially therefrom as well as extending in the direction of the longitudinal axis (10) of the pipe and by a length (A) beyond an end face (12) of the steel-pipe piece (4). Each steel piece (6) has on its front end, which projects beyond the steel-pipe piece (4), two roof-shaped end faces (18, 19) with an intermediate cutting edge (20) which runs from the inner region of the steel piece (6), which faces the longitudinal axis (10) of the pipe, to the outer region, the roof-shaped end faces (18, 19) being designed asymmetrically in relation to the cutting edge (20). <IMAGE>

IPC 1-7

F27D 3/15; **C21B 7/12**; **E21B 10/54**

IPC 8 full level

C21B 7/12 (2006.01); **E21B 10/54** (2006.01); **F27D 3/15** (2006.01)

CPC (source: EP)

C21B 7/12 (2013.01); **F27D 3/1527** (2013.01)

Cited by

WO2005044492A1

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0576784 A1 19940105; **EP 0576784 B1 19980520**; AT E166448 T1 19980615; DE 59308562 D1 19980625; DE 9207632 U1 19920827

DOCDB simple family (application)

EP 93101567 A 19930202; AT 93101567 T 19930202; DE 59308562 T 19930202; DE 9207632 U 19920605