

Title (en)

DEVICE FOR SUPPORTING A CUTTING PICK AND FOR CONTROLLING THE SUPPLY OF SPRAYING FLUID TO A DRIVING MACHINE

Publication

EP 0200037 B1 19890315 (DE)

Application

EP 86104768 A 19860408

Priority

DE 8512938 U 19850502

Abstract (en)

[origin: EP0200037A2] 1. A device for holding a cutting tool (10; and 110) and for the control of the supply of jetting material in a tunneling or mining machine, comprising a base part (11; and 11) which is permanently mounted on the tool carrier (14) and has at least one jet nozzle (29; and 129), a pressure valve (26; and 126) for controlling the supply of jetting material and jetting material ducts (30) and a tool holder (12; and 112) which is pivotally mounted on the base part (11; and 111), is supported so as to resiliently resist the cutting thrust and in which the cutting tool (10; and 110) is replaceably arranged, said tool holder (12; and 11) having a bushing-like receiving part (32; and 132) with a continuous axial passage (34; and 134) for the shank of the tool (35; and 135) and a boom arm (33; and 133) which extends generally radially from the receiving part (32; and 132) and is connected at its free end with the base part (11; and 111) for pivotally mounting the tool holder (12; and 112) and the pressure valve (26; and 126) is so arranged in the base part (11; and 111) that it is actuated by a pivotal motion, caused by cutting reaction, of the tool holder (12; and 11) for enabling the jetting material to be squirted, characterized in that the base part (11; and 111) has a recess (20; and 120) into which the bushing-like receiving part (32; and 132) extends and is so dimensioned that it permits the pivotal motion of the tool holder (12; and 112) and in that on the base part (11; and 111) and on the bushing-like receiving part (32; and 132) there are impact faces (15, 24, 49, 53; 115, 124, 149 and 153), which in the working position of the tool holder (12; and 112) make extensive surface contact with each other and impact faces (23, 38, 123 and 148), which in the neutral position of the tool holder (12; and 112) make extensive surface contact with each other.

IPC 1-7

E21C 35/22; **E21C 35/18**

IPC 8 full level

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CPC (source: EP)

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Cited by

WO9900580A1; DE3902222C1; AT408017B; DE102004019383B4; CN109715905A; US7547075B2; US9068302B2; WO2005100748A1; WO2017121407A1

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