Title (en)
MACHINE AND METHOD FOR CONTINUOUSLY CUTTING AND CONVEYING ROCK

Publication
EP 0317824 B1 19910731 (DE)

Application
EP 88118626 A 19881109

Priority
DE 3739680 A 19871124

Abstract (en)
[origin: EP0317824A2] Machine for continuously cutting and conveying rock, which machine has a caterpillar truck on whose front side one or two cutting drums with a mounted conveyor worm are provided on a liftable and lowerable boom. A conveying device integrated in the machine is allocated to the cutting drums. So that the requisite dinting work can be carried out in a gallery with only one machine, the individual assemblies of the machine can be remote-controlled and the cutting drums (6) with associated drive assemblies are designed as independently movable construction units reversible in their direction of rotation and detachably connected to the boom (3). The length of the caterpillar truck (2) is such that it is rotatable in a gallery. According to the method, the dinting of the full convergence height of up to more than 1 m thickness is effected in accordance with the rate of advance of the face, then the machine system is turned in the gallery and the dinting of the face/gallery transition is carried out at a dinting wall height of several decimetres down into an area with a creep convergence of 1 - 2 cm/d. After turning again, a second dinting operation is carried out on the gallery at a dinting height of several decimetres down into the area of the last turning point but one. From there, the full dinting wall is tackled again. <IMAGE>

IPC 1-7
E02F 3/78; E21D 9/10

IPC 8 full level
E21D 9/12 (2006.01); **E02F 3/76** (2006.01); **E21D 9/00** (2006.01); **E21D 9/10** (2006.01)

CPC (source: EP)
E02F 3/783 (2013.01); **E21D 9/01** (2016.01); **E21D 9/1006** (2013.01)

Cited by
CN114803380A; CN102071936A; GB2251878A; AU655224B2; GB2251878B; WO0043638A1

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