

Title (en)
CUTTER HEAD AND ROCK EXCAVATOR

Title (de)
SCHNEIDKOPF UND AUSBRECHVORRICHTUNG FÜR FELSGESTEIN

Title (fr)
TETE DE COUPE ET EXCAVATRICE DE ROCHE

Publication
EP 1344894 A1 20030917 (EN)

Application
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Abstract (en)
The present invention relates to a cutter head and a rock excavator provided therewith utilized for excavating base rocks in free section to proceed excavating a mine gallery, a tunnel, a shaft and the like. <??>In the conventional excavator having the construction in which the base rock is cut against the tensile strength of the base rock by a disk roller cutter, the cutter receives reaction from the base rock in the vicinity of coming in contact with rocks to be pushed back to make it difficult to form a deep cut-in in the base rock. Therefore, two kinds of disk roller cutters (3, 4) having different cutting-lines with a direction of a support shaft and a position of a disk edge differentiated are arranged on a cutter head drum (2), and one is a disk roller cutter for undercut for cutting off the base rock whereas the other is a disk roller cutter for scraper for crushing the base rock to constitute a cutter head (1). <IMAGE>

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