

Title (en)
ROLLER DRILL OR ROLLER BIT

Title (de)
ROLLENBOHRWERKZEUG ODER ROLLENMEISSEL

Title (fr)
TRÉPAN À MOLETTES

Publication
EP 2188493 B1 20110202 (DE)

Application
EP 07818222 A 20070918

Priority
EP 2007008120 W 20070918

Abstract (en)
[origin: US8469458B2] A roller drill for removing material, such as in particular rock, minerals or the like, according to the undercutting principle, comprising a cutting face which is formed concentrically around a central axis and widens conically toward an end face of the roller drill, and includes a supporting body which is arranged on the inner side of the cutting face and extends up to the end face of the tool. In order to provide a roller drill or a roller bit of which the tool life or service life is improved compared with the prior art, the cutting face is made of a harder material than the supporting body and the supporting body forms an annular web which is conical at least at an outer circumferential wall and which defines with its inner circumferential wall a free space at the end face of the tool. The tool can sharpen itself automatically due to the free space and the dissimilar material combination.

IPC 8 full level
E21C 25/18 (2006.01)

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