

Title (en)
IMPACT DRILLING MACHINE

Publication
EP 0477576 A3 19930310 (DE)

Application
EP 91114511 A 19910829

Priority
DE 4030027 A 19900922

Abstract (en)
[origin: EP0477576A2] In an impact drilling machine with spring-cam impact mechanism, the efficiency of the impact mechanism is to be improved. For this purpose, the curved path 7 of a rotating cam 6 is specially shaped. An ascending curved portion (27), which serves for tensioning a compression spring accelerating the impact member, is constructed with a gradually increasing gradient. This curved portion (27) is, in particular, parabolic. A descending curved portion (20) is curved such that it intersects the trajectories (24, 25) of a lifting collar on the impact member, which trajectories the latter describes at reduced operating speed. A recovery of driving energy is thus possible. <IMAGE>

IPC 1-7
B25D 11/10

IPC 8 full level
B23B 45/16 (2006.01); **B25D 11/10** (2006.01)

CPC (source: EP)
B25D 11/108 (2013.01)

Citation (search report)
• [X] US 2094185 A 19370928 - NORLING REINHOLD A
• [Y] US 1511566 A 19241014 - KOLLOCK GEORGE L
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US6988562B2; WO03035329A1

Designated contracting state (EPC)
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