

Title (en)  
PERCUSSION DRILL CONTROLS

Publication  
**EP 0145701 B1 19880420 (DE)**

Application  
**EP 84890204 A 19841031**

Priority  
AT 393183 A 19831108

Abstract (en)  
[origin: EP0145701A1] 1. A device for percussion drilling in rock or the like having a rotary mechanism (7) which is drivable with a pressure medium, in particular a pressure fluid, a percussion mechanism (14), and a forward-feed motor (20), which are connected to one or more pressure sources (4, 5, 6) via pressure medium lines (1, 2, 3) having adjusting means (8, 15, 21), e.g. valves or the like, a control line (18) being provided from the pressure medium feed line (1) of the rotary mechanism (7) to an adjusting means (15) in the pressure medium feed line (2) of the percussion mechanism (14), characterised in that the pressure medium feed lines (1, 2, 3) are connected to the rotary mechanism (7), the percussion mechanism (14), and the forward-feed motor (20) separately or in parallel, and control lines (12, 18, 29) are provided from the pressure medium feed line (13) of the rotary mechanism (7) to the adjusting means (8, 15, 21) in the pressure medium feed lines to the percussion mechanism (14), the forward-feed motor (20), and optionally the rotary mechanism (7) which adjusting means are controllable by excess pressure in the pressure medium feed line (13) to the rotary mechanism (7), and in that at least one control line (29) having an adjusting means (28) is connected to a further control line (23, 24) with compressed air, and the further control line (23, 24) is connected to the adjusting means (21) of the pressure medium feed line of the forward-feed motor (20).

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IPC 8 full level  
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Cited by  
AU584794B2; EP0906811A1; US6119793A; EP0427663A1; US5107933A; EP0564504B1

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