

Title (en)
Percussion drill controls.

Title (de)
Regelung einer Schlagbohrmaschine.

Title (fr)
Regulation d'une foreuse à percussion.

Publication
EP 0145701 A1 19850619 (DE)

Application
EP 84890204 A 19841031

Priority
AT 393183 A 19831108

Abstract (en)
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 (4), 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).

Abstract (de)
Die Erfindung betrifft eine Vorrichtung zum schlagenden Bohren in Gestein, od. dgl. mit einem Druckmedium, insbesondere Druckflüssigkeit betreibbaren Drehwerk (7), Schlagwerk (14) und Vorschubmotor (20), die über Druckmediumsleitungen (1, 2, 3), welche Stellorgane (8, 15, 21), z.B. Ventile od. dgl. aufweisen, mit einer oder mehreren Druckquellen verbunden sind, wobei von der Druckmediumsleitung, insbesondere Druckmediumszuleitung (1) des Drehwerkes (7) eine, gegebenenfalls das Arbeitsmedium aufweisende Steuerleitung (18) zu einem Stellorgan (15) in der Druckmediumsleitung (2) des Schlagwerkes (14) vorgesehen ist, wobei die Druckmediumszuleitung(en) zu Drehwerk (7), Schlagwerk (14) und Vorschubmotor (20) voneinander getrennt bzw. parallel geschaltet sind und Steuerleitung(en) (12, 18, 29) von der Druckmediumszufuhrleitung (13) des Drehwerkes (7) insbesondere unmittelbar vor demselben zu den, durch Überdruck in der Druckmediumszufuhrleitung zum Drehwerk steuerbaren Stellorganen (8, 15, 21) in den Druckmediumsleitungen, insbesondere Druckmediumszuleitung zu Schlagwerk (14), Vorschubmotor (20) und gegebenenfalls Drehwerk (7) vorgesehen sind.

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