

Title (en)  
NOISE DAMPING MEANS FOR DRILLING RODS

Publication  
**EP 0066891 B1 19860312 (DE)**

Application  
**EP 82105048 A 19820609**

Priority  
• DE 3122968 A 19810610  
• DE 3133286 A 19810822

Abstract (en)  
[origin: EP0066891A2] 1. Arrangement for sound quieting to be applied in the operation of percussive drills particularly in underground mining and tunnel construction, in that the resistance of the drilling rod which has any of the known polygonal, round or elliptic cross-sections, and which is provided for being inserted between drill hammer and drill bit, is increased thus inhibiting the generation of natural acoustic oscillations by means of additional masses that are attached to the drilling rod and permanently fixed thereto, characterized in that a sleeve-like metallic compound (3) consisting of two individual masses (4, 5) separated by a simply slipped-on sleeve-like spacer (6) made of rubber, synthetic material or a metal piece of pipe with internal rubber or plastic coating, is attached to the drilling rod directly before the shank (2) of the drilling rod (1) to be inserted into the drill hammer ; this is done in a permanent way - for example by means of pressing on, possibly after previous insertion of rubber or synthetic rings between drilling rod (1) and individual masses (4, 5), in order to improve non-skidding properties - whereby the - preferably identical - individual masses (4, 5) themselves as well as the mass compound (3) as a whole are dimensioned such that they are short in relation to the overall length of the drilling rod (1), but do represent a sensible additional mass in relation to the mass of the drilling rod (1).

IPC 1-7  
**E21B 17/00**; **B25D 17/11**

IPC 8 full level  
**B25D 17/11** (2006.01); **E21B 17/00** (2006.01)

CPC (source: EP)  
**B25D 17/11** (2013.01); **E21B 17/00** (2013.01); **E21B 17/006** (2013.01)

Cited by  
FR2553697A1; US8342264B1; EP3048239A1; WO2016120087A1

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**EP 0066891 A2 19821215**; **EP 0066891 A3 19840118**; **EP 0066891 B1 19860312**; DE 3269795 D1 19860417

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