

Title (en)

CLEANING OF A DISCHARGE OPENING OF A TUNNEL-BORING MACHINE BY ULTRASONIC WAVES

Title (de)

ABREINIGUNG EINER AUSLASSÖFFNUNG EINES TUNNELBOHRERS DURCH ULTRASCHALLWELLEN

Title (fr)

DÉCOLMATAGE D'UNE OUVERTURE D'ÉVACUATION D'UN TUNNELIER PAR DES ONDES ULTRASONORES

Publication

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Application

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Priority

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Abstract (en)

[origin: AU2020201411A1] The invention relates to a cutting wheel of a tunnel boring machine comprising at least one material discharge opening (5), said discharge opening (5) 5 being delimited by a circumferential wall (10), the cutting wheel (3) being characterized in that it further comprises at least one ultrasonic emitter (6) configured to generate a mechanical vibratory motion in a range of ultrasonic frequencies, said emitter (6) being fixed against the circumferential wall (10) so as to transmit the mechanical vibratory motion to the 10 vibrating circumferential wall (10) and to reduce its coefficient of friction. Figure for the abstract: Fig. 3 [Fig. 1] [Fig. 2] 6 6a

IPC 8 full level

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