

Title (en)

WATER NOZZLE WITH SELF-CLEANING MEANS

Publication

EP 0040334 A3 19820203 (DE)

Application

EP 81103181 A 19810428

Priority

DE 8013540 U 19800520

Abstract (en)

[origin: US4480789A] A water nozzle, particularly for dust suppressing for example at cutting rollers, has a housing with a central opening, a guiding sleeve received at least partially in the central opening of the housing and having an inner passage which is stepped in an axial direction, and a piston stepped in the axial direction and displaceable in the passage of the guiding sleeve to a position in which a narrow gap is formed between the piston and the guiding sleeve so as to prevent solid particles entrained in a flow of water from entering the nozzle. The piston is spring biased in a direction opposite to the direction of the flow of water, so that upon termination of the latter the piston dislodges the solid particles accumulated at the nozzle.

IPC 1-7

E21C 35/22

IPC 8 full level

B05B 1/30 (2006.01); **B05B 1/34** (2006.01); **B05B 15/02** (2006.01); **B05B 15/14** (2018.01); **B05B 15/522** (2018.01); **E21C 35/187** (2006.01); **E21C 35/22** (2006.01)

CPC (source: EP US)

B05B 1/3006 (2013.01 - EP US); **B05B 1/3405** (2013.01 - EP US); **B05B 15/14** (2018.01 - EP US); **B05B 15/5225** (2018.01 - EP US); **E21C 35/187** (2013.01 - EP US)

Citation (search report)

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