

Title (en)
WATER NOZZLE WITH SELF-CLEANING MEANS

Publication
EP 0040334 B1 19840912 (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.

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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)

Cited by
AT385320B; US4537447A; CN106475243A; GB2135024A; US4506932A; EP0253802A1; AT385815B; WO2011095463A3

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