

Title (en)
DEVICE FOR WATER-MIST SPRINKLING

Title (de)
VORRICHTUNG ZUR WASSERNEBELBEDÜSUNG

Title (fr)
DISPOSITIF DE DIFFUSION DE BROUILLARD D'EAU

Publication
EP 2572074 A2 20130327 (DE)

Application
EP 11718912 A 20110325

Priority
• DE 102010022114 A 20100520
• DE 2011000315 W 20110325

Abstract (en)
[origin: WO2011144193A2] A sprinkling device (1) serves to load cutting heads (2) which are equipped with drilling bits 31-35 for use in mining, tunnelling and civil engineering. The sprinkling device (1) has a plurality of nozzles 21-25 which are arranged next to one another on a sprinkling pipe (3) and from which in each case one spray cone 41-45 emerges which is directed onto the cutting head (2) and comprises a water/air mixture. The centre line 61-65 of the spray cones which emerge from the nozzles 21-25 are directed onto a position between tangentially onto the basic body (5) of the cutting head (2) and onto the tip 51-55 of the respective drilling bit 31-35.

IPC 8 full level
E21C 35/23 (2006.01); **E21F 5/02** (2006.01)

CPC (source: EP)
E21C 35/23 (2013.01); **E21F 5/02** (2013.01)

Citation (search report)
See references of WO 2011144193A2

Cited by
CN110546347A

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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