

Publication

**EP 0587991 A3 19940330**

Application

**EP 93108254 A 19930521**

Priority

DE 4230678 A 19920914

Abstract (en)

[origin: EP0587991A2] A pick holder (2) for a shearer drum or a cutting head has a water nozzle (16) behind the pick (3). The water nozzle (16) is directed towards the point of the pick and/or near the point of the pick towards the mineral to be removed. The water nozzle (16) is arranged in a back chamber (22) open for the jet (25). It is inserted into the chamber (22) from the rear. With the water nozzle thus inserted, the chamber can be relatively narrow and deep so that the water nozzle is completely protected in it. An air inlet (23) in the form of at least one lateral opening (23) leads into the chamber (22). In this configuration, the jet of the water nozzle draws in air. A water/air spray jet of greater uniformity than the pure water spray jet develops. The greater uniformity enables the water consumption to be reduced at essentially the same cooling effect - the air portion of the water/air spray jet also provides a cooling action - and at the same or even improved quenching capacity for sparks. <IMAGE>

IPC 1-7

**E21C 35/22**; **E21C 35/18**

IPC 8 full level

**E21C 25/10** (2006.01); **E21C 35/18** (2006.01); **E21C 35/187** (2006.01); **E21C 35/22** (2006.01); **E21F 5/00** (2006.01)

CPC (source: EP)

**E21C 35/187** (2013.01)

Citation (search report)

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