

Title (en)  
Rotary, mineral cutting head.

Title (de)  
Rotierender Schneidkopf.

Title (fr)  
Tête de havage rotative.

Publication  
**EP 0163432 A1 19851204 (EN)**

Application  
**EP 85303117 A 19850502**

Priority  
GB 8411526 A 19840504

Abstract (en)  
A fabricated rotary, mineral cutting head (1, 1A, 1B) comprises an outer, barrel element (4) supported from a central hub (3), the hub (3) being provided with a water supply bore (9) connectable to a source of high pressure water, a plurality of apertures (10) provided at circumferentially spaced locations around the barrel element (4), and a plurality of water conveying spokes (11, 11A, 11B) each penetrating an aperture (10) and extending radially, or generally so, from the central hub (3) to make fluid flow connection thereto at an inner spoke end with the source of pressurised water, and provided at an outer spoke end with a water discharge nozzle (22) to emit a water spray or jet of desired configuration. The invention also includes a rotary, mineral cutting head comprising a plurality of holders for mineral cutter picks, and an internal network (29) of water conveying piping, including at least one water inlet branch (30) connectable to a source of high pressure water, at least one distribution branch (31) in fluid flow communication with the inlet branch (30), and a plurality of spokes (11B) in fluid flow communication with the distribution branch (31) and associated with the individual pick holders.

IPC 1-7  
**E21C 35/22**; **E21D 9/10**

IPC 8 full level  
**E21C 35/22** (2006.01); **E21C 35/23** (2006.01); **E21D 9/10** (2006.01)

CPC (source: EP)  
**E21C 35/23** (2013.01)

Citation (search report)  
• [A] GB 2089868 A 19820630 - PAURAT F, et al  
• [A] FR 2242558 A1 19750328 - SSCM [FR]  
• [A] DE 2134893 A1 19720203  
• [A] US 4219239 A 19800826 - SCHULTE HEINRICH [DE], et al  
• [A] GB 2015625 A 19790912 - EICKHOFF GEB

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0163432 A1 19851204**; **EP 0163432 B1 19880727**; AT E36034 T1 19880815; DE 3564004 D1 19880901; GB 8411526 D0 19840613

DOCDB simple family (application)  
**EP 85303117 A 19850502**; AT 85303117 T 19850502; DE 3564004 T 19850502; GB 8411526 A 19840504