

Title (en)

DIAMOND TIPPED UNITARY HOLDER/BIT

Title (de)

EINHEITLICHER HALTER/BOHRMEISSEL MIT DIAMANTSPITZE

Title (fr)

SUPPORT/TRÉPAN UNITAIRE À POINTE DIAMANT

Publication

EP 3597855 A1 20200122 (EN)

Application

EP 19185939 A 20190712

Priority

US 201816038416 A 20180718

Abstract (en)

A unitary diamond bit/holder, tool, and/or pick assembly that includes a forward extension axially extending from a body of the bit/holder and a tungsten carbide ring mounted in an annular trough at a forward end of the body around the forward extension. An axially shortened diamond tipped bit tip insert is brazed to the forward extension, within a bore of the forward extension, and/or to a tungsten carbide plug which is then seated within a bore of the forward extension.

IPC 8 full level

E21C 35/18 (2006.01); **E21C 35/183** (2006.01)

CPC (source: EP)

E21C 35/183 (2013.01)

Citation (applicant)

- US 6371567 B1 20020416 - SOLLAMI PHILLIP A [US]
- US 6685273 B1 20040203 - SOLLAMI PHILLIP [US]
- US 7883155 B2 20110208 - SOLLAMI PHILLIP [US]
- US 6739327 B2 20040525 - SOLLAMI PHILLIP A [US]
- US 5161627 A 19921110 - BURKETT KENNETH H [US]
- US 4944559 A 19900731 - SIONNET JEAN [FR], et al
- US 8118371 B2 20120221 - HALL DAVID R [US], et al

Citation (search report)

- [X] US 9909416 B1 20180306 - SOLLAMI PHILLIP [US]
- [X] US 2003122414 A1 20030703 - SOLLAMI PHILLIP A [US]
- [X] US 2017089198 A1 20170330 - SOLLAMI PHILLIP [US]
- [A] US 2008036283 A1 20080214 - HALL DAVID R [US], et al
- [A] US 2008284234 A1 20081120 - HALL DAVID R [US], et al

Designated contracting state (EPC)

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)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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