

Title (en)

System for exchanging pick holders having tension screws

Title (de)

Meisselhalterwechselsystem mit Spannschrauben

Title (fr)

Système pour échanger des porte-pics avec des vis de serrage

Publication

**EP 1319801 B1 20060517 (DE)**

Application

**EP 02025217 A 20021112**

Priority

DE 10161713 A 20011215

Abstract (en)

[origin: EP1319801A2] The chisel holder (20), especially for a road surface cutting machine, is secured by a clamping bolt (15) at the mounting (11) on the road milling roller (10). The outer thread (16) of the clamping bolt and/or the inner thread (14) of the threaded drilling (13) at the holder mounting have a metal layer of zinc and aluminum segments with a chrome oxide bonding agent. The applied metal coating is fired when in place. The coating thickness is 5-10  $\mu$  m, and the number of segments per  $\mu$  m of the coating increases the barrier effect of the coated surfaces. The coating is applied by immersion, centrifugally or spraying, to be dried and then fired at 300 degrees C. The friction value of the screw bond is reduced by the addition of a dry lubricant

IPC 8 full level

**E21C 35/193** (2006.01); **E21C 35/18** (2006.01); **E21C 35/19** (2006.01)

CPC (source: EP US)

**E21C 35/188** (2020.05 - EP); **E21C 35/191** (2020.05 - EP); **E21C 35/193** (2013.01 - EP US); **E21C 35/188** (2020.05 - US); **E21C 35/191** (2020.05 - US); **Y10S 411/903** (2013.01 - EP US); **Y10S 411/914** (2013.01 - EP US)

Cited by

CN105133480A; WO2022016875A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**EP 1319801 A2 20030618**; **EP 1319801 A3 20030820**; **EP 1319801 B1 20060517**; AT E326613 T1 20060615; DE 10161713 A1 20030710; DE 10161713 B4 20040205; DE 50206795 D1 20060622; ES 2261580 T3 20061116; US 2003132660 A1 20030717; US 6866343 B2 20050315

DOCDB simple family (application)

**EP 02025217 A 20021112**; AT 02025217 T 20021112; DE 10161713 A 20011215; DE 50206795 T 20021112; ES 02025217 T 20021112; US 32033602 A 20021216