

Title (en)

Coded spanner and associated coded thread part for a wheel rim with theft protection

Title (de)

Kodierter Schraubenschlüssel und zugehöriges kodiertes Schraubteil für eine diebstahlgesicherte Felge

Title (fr)

Clé plate codée et élément de vissage codé correspondant pour une jante protégée contre le vol

Publication

**EP 1808271 A3 20090819 (DE)**

Application

**EP 06125511 A 20061206**

Priority

DE 202006000595 U 20060113

Abstract (en)

[origin: EP1808271A2] A coded security tool especially for operating on a security bolt which secures a cover onto a wheel trim, has a shaft fitted with a hand grip (20) at one end and with a cylindrical socket (22) at the other end. The socket fits over a raised profile head of the bolt and has a number of studs (28) in a coaxial ring to locate into a corresponding pattern of blind holes in the bolt. The fitting includes tapering profiles to self align the tool onto the bolt.

IPC 8 full level

**B25B 13/48** (2006.01)

CPC (source: EP)

**B25B 13/485** (2013.01)

Citation (search report)

- [XY] DE 19708948 A1 19971030 - MCGARD DEUTSCHLAND GMBH [DE]
- [XY] EP 1331066 A2 20030730 - ADL S A [FR]
- [DYA] DE 202005016637 U1 20051222 - ADL S A S [FR]
- [A] US 5870934 A 19990216 - CULLINAN TERRANCE P [US]
- [A] AU 6843474 A 19751106 - HAKER L C

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**DE 202006000595 U1 20060608**; EP 1808271 A2 20070718; EP 1808271 A3 20090819; EP 1808271 B1 20130717; ES 2427816 T3 20131104

DOCDB simple family (application)

**DE 202006000595 U 20060113**; EP 06125511 A 20061206; ES 06125511 T 20061206