

Title (en)

Coded wrench for a theftproof rim

Title (de)

Kodierter Schraubschlüssel für eine diebstahlgesicherte Felge

Title (fr)

Clé codé pour une jante anti-vol

Publication

EP 1777038 A1 20070425 (DE)

Application

EP 06119114 A 20060817

Priority

DE 202005016637 U 20051021

Abstract (en)

The encoded screw or cover nut wrench for vehicle wheels to serve as an anti-theft security device is made entirely of a plastic material, with an end face (26) which is provided with at least two appropriately shaped and dimensioned pins (28), and a central pin (30) whose axis coincides with the axis of rotation (32) of the wrench.

IPC 8 full level

B25B 13/48 (2006.01)

CPC (source: EP)

B25B 13/485 (2013.01)

Citation (search report)

- [A] EP 1331066 A2 20030730 - ADL S A [FR]
- [A] US 4569259 A 19860211 - RUBIN SOL R [US], et al
- [A] GB 2194827 A 19880316 - COOPER LEONARD ALBERT
- [A] GB 1415174 A 19751126 - CEAG LTD
- [A] FR 2767215 A1 19990212 - ROBERGE PHILIPPE RAPHAEL ANDRE [FR]

Cited by

DE202012007659U1; EP2692968A2

Designated contracting state (EPC)

DE ES FR GB IT NL

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 202005016637 U1 20051222; DE 502006005233 D1 20091210; EP 1777038 A1 20070425; EP 1777038 B1 20091028; ES 2335681 T3 20100331

DOCDB simple family (application)

DE 202005016637 U 20051021; DE 502006005233 T 20060817; EP 06119114 A 20060817; ES 06119114 T 20060817