

Title (en)  
Surface box

Title (de)  
Strassenkappe

Title (fr)  
Bouche à clé

Publication  
**EP 0841438 A3 19981223 (DE)**

Application  
**EP 97115308 A 19970904**

Priority  
DE 19645864 A 19961107

Abstract (en)  
[origin: EP0841438A2] The shaft has a housing, preferably cast-iron, extending through the road surface and into the base portion, and is closed by a top cover. An external thread (27) on the housing engages directly in the road material (20-22), and portions (30) are formed in the housing top end for engagement by a screwing tool (35). The thread can be relatively flat and of fine pitch. There can be an internal flange (24) at the top end containing the portions engaged by the tool, and which can also form a support for the cover. The latter can extend over the portions engaged by the tool.

IPC 1-7  
**E03B 9/10**

IPC 8 full level  
**E03B 9/10** (2006.01)

CPC (source: EP)  
**E03B 9/10** (2013.01)

Citation (search report)

- [XY] CH 397547 A 19650815 - PALATINI ANGELO [CH]
- [Y] FR 2110831 A6 19720602 - PANCOL MARC, et al
- [X] FR 2125787 A5 19720929 - PONT A MOUSSON FOND
- [X] FR 1552863 A 19690110
- [X] FR 2687418 A1 19930820 - TALAVERA JEAN PAUL [FR]

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0841438 A2 19980513; EP 0841438 A3 19981223; EP 0841438 B1 20031217**; AT E256793 T1 20040115; DE 19645864 A1 19980514; DE 59711131 D1 20040129

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**EP 97115308 A 19970904**; AT 97115308 T 19970904; DE 19645864 A 19961107; DE 59711131 T 19970904