

Title (en)

Means for securing a cover to a manhole frame.

Title (de)

Vorrichtungen zum Befestigen einer Abdeckung an einem Schachtrahmen.

Title (fr)

Moyens pour assujettir une pièce de recouvrement à un cadre de pièces de voirie.

Publication

EP 0506590 A1 19920930 (FR)

Application

EP 92470011 A 19920318

Priority

FR 9103936 A 19910327

Abstract (en)

Means intended for securing, in a removable manner, a generally polygon-shaped covering part (2), which may be a plane or concave grating or a covering plate, to a frame (1) interacting with the said part, these means comprising at least one elastic member (26) positioned in an open housing (25) arranged in the central region of one of the lateral faces of the frame, at least one fastening catch (11) integral with that lateral face of the frame which is opposite the one where the elastic member is located, a finger (30), integral with the covering part, the lower end of which has an enlargement (31) adapted to be snap-locked by interacting with the said fastening member, and a strip (32), integral with the part, which, in the position in which the said covering part is closed over the frame, interacts with the elastic member, the fastening catch (11) then being located in the position in which it is snap-locked with the finger (30) of the covering part. <IMAGE>

IPC 1-7

E02D 29/14; **E05C 19/00**

IPC 8 full level

E02D 29/14 (2006.01); **E05C 19/00** (2006.01); **E02D 29/12** (2006.01)

CPC (source: EP)

E02D 29/1427 (2013.01); **E02D 29/1463** (2013.01); **E05C 19/006** (2013.01)

Citation (search report)

[A] FR 2276767 A7 19760123 - PONT A MOUSSON [FR]

Cited by

US7160051B1; FR2954368A1; FR2780997A1; FR2811346A1; US6722813B2; CZ298886B6; WO2011073548A1; WO0202878A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0506590 A1 19920930; **EP 0506590 B1 19950315**; AT E119963 T1 19950415; DE 69201663 D1 19950420; DE 69201663 T2 19950713; DK 0506590 T3 19950807; ES 2063723 T1 19950116; ES 2063723 T3 19950516; FR 2674550 A1 19921002; FR 2674550 B1 19930521; GR 3015428 T3 19950630; IE 65927 B1 19951129; IE 921004 A1 19921007; NO 301601 B1 19971117; NO 921166 D0 19920325; NO 921166 L 19920928

DOCDB simple family (application)

EP 92470011 A 19920318; AT 92470011 T 19920318; DE 69201663 T 19920318; DK 92470011 T 19920318; ES 92470011 T 19920318; FR 9103936 A 19910327; GR 940403941 T 19950316; IE 921004 A 19920327; NO 921166 A 19920325