

Title (en)  
FRAME FOR BUILDING COVERS FOR GROUND OPENINGS

Publication  
**EP 0311886 A3 19890614 (DE)**

Application  
**EP 88116499 A 19881005**

Priority  
CH 397687 A 19871012

Abstract (en)  
[origin: EP0311886A2] At their ends, the frame parts (2) of the frame have connecting lugs (4, 5) which are arranged at a different height. During assembly of the frame, two frame parts (2) lie next to one another, the connecting lugs (4, 5) of which lie one above the other at a distance apart and are connected to one another by a screw connection (13). So that the frame parts (2) are connected to one another in a positive-locking manner, the frame is turned upside down and a liquid, pasty or granulated filling material is poured into a recess on the underside of the higher connecting lug (5). The filling material also flows into the bore (6) for the screw connection (13), which bore (6) is covered by a washer (16). After the filling material has solidified, the frame can be transported either in this state or in the dismantled state and put together again in the same manner. Due to this type of assembly, mechanical working of the frame parts 2 can be dispensed with. <IMAGE>

IPC 1-7  
**E02D 29/14**

IPC 8 full level  
**E02D 29/14** (2006.01)

CPC (source: EP US)  
**E02D 29/14** (2013.01 - EP US)

Citation (search report)  
• [AD] GB 2134572 A 19840815 - SELFLEVEL COVERS AG  
• [A] US 3225545 A 19651228 - FLEGEL GEORGE J

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0311886 A2 19890419; EP 0311886 A3 19890614; EP 0311886 B1 19920129**; AT E72277 T1 19920215; AU 2282988 A 19890413; AU 612179 B2 19910704; CA 1305888 C 19920804; CH 674387 A5 19900531; DE 3868217 D1 19920312; ES 2028232 T3 19920701; PT 88743 A 19890731; PT 88743 B 19931231; US 4904120 A 19900227

DOCDB simple family (application)  
**EP 88116499 A 19881005**; AT 88116499 T 19881005; AU 2282988 A 19880926; CA 579781 A 19881011; CH 397687 A 19871012; DE 3868217 T 19881005; ES 88116499 T 19881005; PT 8874388 A 19881012; US 25034188 A 19880928