

Title (en)  
REINFORCED SHANK PLASTIC KEY

Publication  
**EP 0305588 B1 19930630 (EN)**

Application  
**EP 87115992 A 19871030**

Priority  
US 9149287 A 19870903

Abstract (en)  
[origin: EP0305588A2] A molded plastic key (10) having a handle (11), a shank (12) and a bit (13) has the shank (12) reinforced to withstand extraordinary torque applied through the head when resistance to turning is encountered after the key (10) is inserted into a lock. The reinforcement may comprise integrally molded thickening throughout the length of the shank (12) and extending at least partially on to the handle (11), and the thickening termination short of the adjacent end of the bit (13) of the key (10). If preferred, the reinforcement may comprise a metallic reinforcing insert having an extension from the handle (11) into the shank (12).

IPC 1-7  
**E05B 19/02**

IPC 8 full level  
**A45C 11/32** (2006.01); **E05B 19/02** (2006.01); **E05B 19/26** (2006.01); **E05B 15/16** (2006.01)

CPC (source: EP)  
**A45C 11/326** (2013.01); **E05B 19/26** (2013.01); **E05B 15/1635** (2013.01)

Cited by  
EP2803791A3; AT396500B; EP2803464A3; EP2803790A2; EP2803464A2; EP2803791A2; EP2803792A2

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

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**EP 0305588 A2 19890308**; **EP 0305588 A3 19900613**; **EP 0305588 B1 19930630**; AT E91167 T1 19930715; DE 3786402 D1 19930805; DE 3786402 T2 19931104; ZA 886362 B 19901228

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**EP 87115992 A 19871030**; AT 87115992 T 19871030; DE 3786402 T 19871030; ZA 886362 A 19880826