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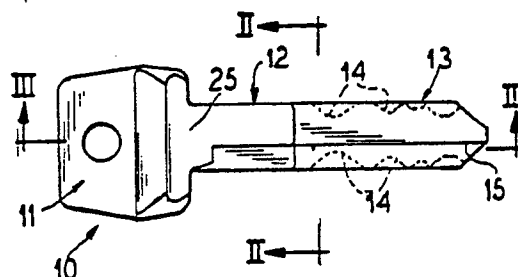
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54 **Reinforced shank plastic key.**

57 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).

FIG. 1





DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)		
D,A	US-A-4 677 835 (R. ALMBLAD) * complete document * ---	1,16,17 ,31	E 05 B 19/02		
D,A	US-A-4 637 236 (D.F. ALMBLAD) * complete document * ---	1,16,17 ,31			
X	DE-A-3 518 354 (HEINRICH WINKELHARD GMBH & CO KG PLASTIK- UND METALLWARENFABRIK) * complete document * ---	1,8,17, 23			
X	DE-A-2 037 071 (STROHSCHNITTER & CO.) * complete document * ---	1,17			
A		8,9,13, 14,24, 28,29			
X	DE-U-1 669 387 (H. RÖSINGER) * figures 3,4; claims 1,2,5 * ---	1,8,17, 23			
X	DE-U-1 901 655 (ROBERT KRAUSE KG) * complete document * ---	1,17	TECHNICAL FIELDS SEARCHED (Int. Cl.4)		
A		3,6,19, 22	E 05 B A 45 C		
X	CH-A- 495 488 (E. DANA) * complete document * ---	1,17			
A		13,14, 24,28, 29			

The present search report has been drawn up for all claims					
Place of search BERLIN		Date of completion of the search 16-03-1990	Examiner KRABEL A.W.G.		
<table><tr><td>CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</td><td>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</td></tr></table>				CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document
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