

Title (en)
Motor vehicle assembly

Title (de)
Verriegelungsvorrichtung für Kraftfahrzeug

Title (fr)
Ensemble de verrouillage pour véhicule automobile

Publication
EP 1052351 A3 20011004 (EN)

Application
EP 00303651 A 20000428

Priority
GB 9910983 A 19990513

Abstract (en)
[origin: EP1052351A2] Locks are known comprising a locking cylinder, a sleeve and a housing. The sleeve is freely rotatable in the housing. The cylinder includes a number of locking plates. When a correct key has been inserted, the locking plates are retained within the cylinder and the cylinder will rotate relative to the sleeve and housing to release a latch. When an incorrect key has been inserted, at least one of the plates extends into the sleeve to drive the sleeve relative to the housing. The presence of camming surfaces will cause the sleeve or means carried by and driven by the sleeve to be displaced axially with respect to the housing. Such movement causes the latch mechanism to be isolated from the cylinder, and so rotation of the cylinder by the incorrect key no longer causes actuation of the latch mechanism. However, should a part of the cylinder break, the latch mechanism may no longer be isolated from the latch when an incorrect key is inserted. Once such a break has occur inserting any key into the keyway and rotating the cylinder will cause the latch to be actuated. An improved sleeve assembly 8' is disclosed in which such breakage of the shaft is accommodated such that even if the shaft becomes broken the cylinder and the latch are declutched from one another. <IMAGE>

IPC 1-7
E05B 17/04

IPC 8 full level
E05B 17/00 (2006.01); **E05B 17/04** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP)
E05B 17/0058 (2013.01); **E05B 17/04** (2013.01); **G07C 9/00944** (2013.01); **G07C 2009/00587** (2013.01); **G07C 2009/00992** (2013.01)

Citation (search report)
• [XA] EP 0806531 A1 19971112 - VALEO SECURITE HABITACLE [FR]
• [A] EP 0647752 A2 19950412 - VALEO SISTEMAS DE SEGURIDAD S [ES]
• [A] EP 0659962 A2 19950628 - ALPHA CORP [JP]
• [A] EP 0384648 A1 19900829 - ROVER GROUP [GB]
• [A] EP 0212468 A1 19870304 - OTA TOMIO [JP], et al

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EP1335084A1

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

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EP 1052351 A2 20001115; **EP 1052351 A3 20011004**; GB 2350146 A 20001122; GB 9910983 D0 19990714

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