

Title (en)  
Lock for a door of a motor vehicle

Title (de)  
Schloss für eine Kraftfahrzeugtür

Title (fr)  
Serrure pour porte de véhicule automobile

Publication  
**EP 0995870 B1 20050420 (EN)**

Application  
**EP 99120816 A 19991022**

Priority  
IT TO980903 A 19981023

Abstract (en)  
[origin: EP0995870A1] Lock (1) for a door of a motor vehicle, provided with a supporting casing (2), a closing mechanism (4) which is carried on the supporting casing (2), is capable of interacting with a stop (6) and is provided, in turn, with a fork (10) covered externally with a shell (14) made from plastic material and rotatable about its axis (A) between an open position and at least one fully closed position in which the stop (6) is locked in a socket (16) of the fork (10), and a check (11) having an engagement portion (23) which can be snap-coupled to the fork (10) to lock it releasably in the fully closed position; the supporting casing (2) is provided with an arresting element (30) capable of intercepting the fork (10) in a stop position located after the fully closed position along a forward portion of a path for the coupling of the fork (10) to the check (11), and capable of causing a restraining reaction on the fork (10) which moves it into the fully closed position along a return portion of the coupling path opposed to the forward portion; the locking mechanism (4) comprises an elastic leaf spring element (32) made from plastic material, carried integrally by a peripheral edge (22) of the fork (10) and capable of bending when bearing against the arresting element (30) at the end of the forward portion of the coupling path, to produce a braking action on the return portion of the said coupling path. <IMAGE>

IPC 1-7  
**E05B 65/32**

IPC 8 full level  
**E05B 17/00** (2006.01); **E05B 65/32** (2006.01)

CPC (source: EP)  
**E05B 77/40** (2013.01); **E05B 85/26** (2013.01); **E05B 77/38** (2013.01)

Cited by  
US6789825B2; US7188872B2; US7591592B2; FR2852622A1; US7503598B2; US10450782B2; EP1516986A3; DE102013017960A1; DE102013114301A1; GB2379954A; GB2379954B; US7306269B2; EP1605118A1; EP1136640A1; EP2341204A3; US7845692B2; US7195292B2; WO2015078441A1; WO2006133673A1; WO2006015655A1; US7677614B2; US7780205B2

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

DOCDB simple family (publication)  
**EP 0995870 A1 20000426**; **EP 0995870 B1 20050420**; AT E293737 T1 20050515; BR 9907529 A 20000905; DE 69924802 D1 20050525; DE 69924802 T2 20050922; ES 2239823 T3 20051001; IT TO980903 A1 20000423; PL 336181 A1 20000425

DOCDB simple family (application)  
**EP 99120816 A 19991022**; AT 99120816 T 19991022; BR 9907529 A 19991022; DE 69924802 T 19991022; ES 99120816 T 19991022; IT TO980903 A 19981023; PL 33618199 A 19991022