

Title (en)  
DEVICE FOR TWO-WAY INTERCHANGE OF INFORMATION

Publication  
**EP 0151087 B1 19910724 (DE)**

Application  
**EP 85730009 A 19850128**

Priority  
DE 3402737 A 19840127

Abstract (en)  
[origin: US4602253A] An apparatus for mutual information transmission between an electronic lock and a key uses antenna coils at both the key and lock. A periodic signal is emitted from the lock and is received by the key upon activation of a key electronics and emission of a coded information signal. This returned signal received from the lock coil is briefly short-circuited or damped at the key side in order to produce a synchronization switch synchronizing the points in time of the signal appearance. Electronic converters are provided which, given the pre-condition that the short-circuit signal extends over a plurality of signal pulses, generate a digital signal corresponding to the short-circuit times.

IPC 1-7  
**E05B 49/00**

IPC 8 full level  
**E05B 49/00** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP US)  
**G07C 9/00309** (2013.01 - EP US); **G07C 2009/00777** (2013.01 - EP US)

Cited by  
EP0227589A3; EP0710756A1; US5616966A; GB2192665A; GB2192665B; EP0730071A1; US5889471A; EP0242578A3

Designated contracting state (EPC)  
AT CH FR GB LI NL SE

DOCDB simple family (publication)  
**EP 0151087 A2 19850807**; **EP 0151087 A3 19880601**; **EP 0151087 B1 19910724**; AT E65577 T1 19910815; CA 1217839 A 19870210; DE 3402737 C1 19850801; FI 78535 B 19890428; FI 78535 C 19890810; FI 850166 A0 19850115; FI 850166 L 19850728; US 4602253 A 19860722

DOCDB simple family (application)  
**EP 85730009 A 19850128**; AT 85730009 T 19850128; CA 472841 A 19850125; DE 3402737 A 19840127; FI 850166 A 19850115; US 69534785 A 19850128