

Title (en)  
Telephonic electronic device.

Title (de)  
Telephonische elektronische Vorrichtung.

Title (fr)  
Dispositif électronique téléphonique.

Publication  
**EP 0451056 B1 19950301 (FR)**

Application  
**EP 91400915 A 19910404**

Priority  
FR 9004367 A 19900405

Abstract (en)  
[origin: US5182767A] The device includes an acoustic transmitter (10), a tone generator (12), a memory (14) containing an identification code (N) and a service key (C), and an electronic circuit (16). A digital message transmitted depends on N and C and changes with each use. The time limitation moment of the device is determined. The device appears in the form of a token.

IPC 1-7  
**G07F 7/08**; **G07F 1/06**; **G07C 9/00**

IPC 8 full level  
**G07F 17/28** (2006.01); **G07C 9/00** (2006.01); **G07F 1/06** (2006.01); **G07F 7/08** (2006.01); **H04M 11/00** (2006.01)

CPC (source: EP US)  
**G07C 9/28** (2020.01 - EP US); **G07F 1/06** (2013.01 - EP US); **G07F 7/0866** (2013.01 - EP US)

Cited by  
FR2752963A1; ES2037579A1; US5442341A; US5604488A

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

DOCDB simple family (publication)  
**EP 0451056 A1 19911009**; **EP 0451056 B1 19950301**; AT E119303 T1 19950315; DE 69107652 D1 19950406; DE 69107652 T2 19950928; DK 0451056 T3 19950710; ES 2071247 T3 19950616; FR 2660776 A1 19911011; FR 2660776 B1 19940617; JP 3009751 B2 20000214; JP H0670048 A 19940311; US 5182767 A 19930126

DOCDB simple family (application)  
**EP 91400915 A 19910404**; AT 91400915 T 19910404; DE 69107652 T 19910404; DK 91400915 T 19910404; ES 91400915 T 19910404; FR 9004367 A 19900405; JP 9980091 A 19910405; US 68055191 A 19910404