

Title (en)

System for exchanging information between a portable object like a key and an exchange device.

Title (de)

System zur gegenseitigen Informationsübertragung zwischen einem tragbaren Gegenstand, insbesondere einem Schlüssel, und einem anderen Datenträger.

Title (fr)

Système d'échange d'informations entre un objet portatif comme une clé, et un dispositif d'échange.

Publication

**EP 0356334 B1 19940720 (FR)**

Application

**EP 89402323 A 19890823**

Priority

FR 8811165 A 19880824

Abstract (en)

[origin: EP0356334A1] The exchange device (not shown) is installed in a lock and emits a modulated carrier wave. The key (2) possesses circuits (27, 28, 29, 23) for demodulating the modulated carrier wave received and for reconstructing a first signal (PR) representing the information emitted by the exchange device, and processing circuits (23, 25, 30) receiving the first signal (PR) and generating a second signal (D) representing the information to be transmitted. The second signal causes an impedance (26) to vary abruptly, so that the charge detected by the exchange device varies and so that the information is thereby transmitted to it. Moreover, the impedance (26) is designed as a limiter. A clock signal (41) is obtained from the modulated carrier wave by clipping, and the supply voltage (AC) is obtained by rectification and regulation. The system makes it possible particularly to use a contactless connection between the key and the lock, for example by means of a single pair of coils. <IMAGE>

IPC 1-7

**E05B 49/00**; **G07C 9/00**

IPC 8 full level

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CPC (source: EP US)

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