

Title (en)

Locking system for motor vehicles detecting approach of the user

Title (de)

Verriegelungssystem für Kraftfahrzeuge mit Detektor zum Feststellen der Annäherung des Benutzers

Title (fr)

Système de verrouillage pour véhicule automobile équipé d'un système de détection de l'approche d'un utilisateur

Publication

EP 0918309 B1 20040407 (FR)

Application

EP 98402881 A 19981120

Priority

FR 9714718 A 19971124

Abstract (en)

[origin: EP0918309A1] A metallic plate (15), electrically isolated from the vehicle is driven by a high frequency generator (16). The plate and the vehicle (V) together form a dipole, the capacitance of which is sensitive to neighboring objects. A module that detects variation in capacitance is attached to this dipole and triggers when a person is close. This in turn initiates the vehicle automatic security system which verifies the identity of the person before unlocking the vehicle.

IPC 1-7

G08B 13/26; **G07C 9/00**; **E05B 49/00**

IPC 8 full level

G07C 9/00 (2006.01); **G08B 13/26** (2006.01)

CPC (source: EP US)

G07C 9/00714 (2013.01 - EP US); **G08B 13/26** (2013.01 - EP US)

Cited by

FR2809132A1; EP1143092A1; FR2807462A1; FR2799490A1

Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

EP 0918309 A1 19990526; **EP 0918309 B1 20040407**; **EP 0918309 B2 20081210**; DE 69822970 D1 20040513; DE 69822970 T2 20050414; DE 69822970 T3 20090813; FR 2771534 A1 19990528; FR 2771534 B1 20000609; US 6081185 A 20000627

DOCDB simple family (application)

EP 98402881 A 19981120; DE 69822970 T 19981120; FR 9714718 A 19971124; US 19013298 A 19981112