Title (en)

IGNITION SYSTEM

Title (de)

ZÜNDSYSTEM

Title (fr)

SYSTEME D'ALLUMAGE

Publication

EP 1787230 A4 20090610 (EN)

Application

EP 05772393 A 20050718

Priority

- US 2005025376 W 20050718
- US 92221204 A 20040819

Abstract (en)

[origin: WO2006023177A1] System and method for preventing unauthorized or impaired operation of a motor vehicle by requiring a potential operator to sequentially energize several vehicle devices, within a set time period, prior to placing the vehicle ignition into a start position. The system includes a sequencing mechanism comprising an array of J-K flip-flops in a daisy chain configuration and an R-C timer mechanism. Logic outputs from the sequencing mechanism and the timer mechanism are fed to a NAND gate operating as a logic decoder that is used to control the vehicle ignition circuit. Only if all the inputs to the logic decoder are "go" will the output signal allow the ignition circuit to close. A sensory indicator may alert the potential operator as to the condition of the decoder output. An unauthorized user is inhibited from operating the motor vehicle because the performance sequence is unknown to him/her. Slower reflex times or impaired motor skills may prevent an impaired operator from performing the proper sequence within the predetermined time period.

IPC 8 full level

G06F 19/00 (2006.01); **G06G 7/70** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP)

B60R 25/04 (2013.01); **B60R 25/2009** (2013.01); **B60R 25/23** (2013.01); **F02P 11/04** (2013.01); **G07C 9/32** (2020.01); G07C 2209/14 (2013.01)

Citation (search report)

- [X] FR 2583688 A1 19861226 - COLOMBI JEAN CLAUDE [FR]
- [X] EP 0734924 A2 19961002 - BAYERISCHE MOTOREN WERKE AG [DE]
- [X] GB 2187794 A 19870916 - NORRIS DENNIS HAROLD, et al
- See references of WO 2006023177A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006023177 A1 20060302; AU 2005277860 A1 20060302; CA 2577293 A1 20060302; EP 1787230 A1 20070523; EP 1787230 A4 20090610

DOCDB simple family (application)

US 2005025376 W 20050718; AU 2005277860 A 20050718; CA 2577293 A 20050718; EP 05772393 A 20050718