

Title (en)
IGNITION SYSTEM

Title (de)
ZÜNDSYSTEM

Title (fr)
SYSTEME D'ALLUMAGE

Publication
EP 1787230 A1 20070523 (EN)

Application
EP 05772393 A 20050718

Priority
• US 2005025376 W 20050718
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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.

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