

Title (en)

Identification signal checking apparatus and methods

Title (de)

Vorrichtung und Verfahren zur Identifikationssignalprüfung

Title (fr)

Appareil et procédés de contrôle de signal d'identification

Publication

**EP 0807733 A2 19971119 (EN)**

Application

**EP 97303313 A 19970515**

Priority

- JP 12186996 A 19960516
- JP 24355596 A 19960913

Abstract (en)

An identification signal checking apparatus includes an apparatus (1) to be detected having a first wireless transmitting and receiving unit (4) , a first signal processing unit (3) and a first memory unit (5) for storing an identification signal. A detecting apparatus (10) has a second wireless transmitting and receiving unit (11), a second signal processing unit (12), a second memory unit (13) for storing an identification signal, and a random number generating unit (14). When the detecting apparatus (10) receives a response request signal from the apparatus (1) to be detected, the detecting apparatus (10) transmits a random number signal obtained from the random number generating unit (14). When receiving the random number signal, the apparatus (1) to be detected encrypts the identification signal stored in the first memory unit (5) by using the random number signal and transmits the encrypted identification signal to the detecting apparatus (10). The detecting apparatus (10) decrypts the encrypted identification signal and checks whether or not it coincides with the identification signal stored in the second memory unit (13). <IMAGE>

IPC 1-7

**E05B 49/00**

IPC 8 full level

**B60R 25/00** (2006.01); **B60R 25/01** (2013.01); **B60R 25/24** (2013.01); **E05B 49/00** (2006.01); **G07C 9/00** (2006.01); **H04K 1/02** (2006.01); **H04Q 9/00** (2006.01)

CPC (source: EP KR)

**G07C 9/00309** (2013.01 - EP KR); **G07C 2009/00396** (2013.01 - EP KR); **G07C 2009/00412** (2013.01 - EP KR); **G07C 2009/00785** (2013.01 - EP KR)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0807733 A2 19971119**; **EP 0807733 A3 20001206**; JP H1030367 A 19980203; KR 970078181 A 19971212

DOCDB simple family (application)

**EP 97303313 A 19970515**; JP 24355596 A 19960913; KR 19970018933 A 19970516