

Title (en)
STATE DETERMINATION DEVICE FOR DOOR LOCK DEVICE, STATE DETERMINATION METHOD FOR DOOR LOCK DEVICE, AND STATE DETERMINATION PROGRAM FOR DOOR LOCK DEVICE

Title (de)
ZUSTANDSBESTIMMUNGSVORRICHTUNG FÜR TÜRVERRIEGELUNGSVORRICHTUNG, ZUSTANDSBESTIMMUNGSVERFAHREN FÜR TÜRVERRIEGELUNGSVORRICHTUNG UND ZUSTANDSBESTIMMUNGSPROGRAMM FÜR TÜRVERRIEGELUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE DÉTERMINATION D'ÉTAT POUR DISPOSITIF DE VERROUILLAGE DE PORTE, PROCÉDÉ DE DÉTERMINATION D'ÉTAT POUR DISPOSITIF DE VERROUILLAGE DE PORTE ET PROGRAMME DE DÉTERMINATION D'ÉTAT POUR DISPOSITIF DE VERROUILLAGE DE PORTE

Publication
EP 3816376 A1 20210505 (EN)

Application
EP 20202278 A 20201016

Priority
JP 2019197253 A 20191030

Abstract (en)
A state determination device for a door lock device (30) includes: a calculation section (61) for calculating an elapsed unlock time H from the time when a drive signal for driving a door lock device (30) is output to the time when unlock operation of the door lock device (30) is completed (steps S10, S20, S40, S50); and a determination section (62) for determining whether or not a malfunction is present in the door lock device (30) based on the elapsed unlock time H (steps S70, S80, S110).

IPC 8 full level
E05B 81/58 (2014.01); **G07C 1/32** (2006.01); **E05B 47/00** (2006.01); **E05B 81/72** (2014.01); **E05B 81/74** (2014.01); **E05B 83/36** (2014.01)

CPC (source: CN EP)
B61D 19/02 (2013.01 - CN); **B61L 15/0081** (2013.01 - EP); **E05B 81/58** (2013.01 - EP); **E05B 81/72** (2013.01 - CN); **E05B 83/363** (2013.01 - CN); **G07C 1/32** (2013.01 - EP); **E05B 47/0004** (2013.01 - EP); **E05B 77/48** (2013.01 - EP); **E05B 81/72** (2013.01 - EP); **E05B 81/74** (2013.01 - EP); **E05B 83/363** (2013.01 - EP); **G07C 2209/08** (2013.01 - EP)

Citation (applicant)
JP H0721777 U 19950421

Citation (search report)
• [XA] JP 2002038796 A 20020206 - ASMO CO LTD, et al
• [XP] EP 3656642 A2 20200527 - NABTESCO CORP [JP]

Cited by
FR3134594A1; EP4390018A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3816376 A1 20210505; CN 112746783 A 20210504; CN 112746783 B 20220923; JP 2021070954 A 20210506; JP 7360897 B2 20231013

DOCDB simple family (application)
EP 20202278 A 20201016; CN 202011172659 A 20201028; JP 2019197253 A 20191030