

Title (en)  
SLIDING DOOR POSITION ADJUSTMENT ASSISTING DEVICE AND SLIDING DOOR POSITION ADJUSTMENT ASSISTING SYSTEM

Title (de)  
VORRICHTUNG UND SYSTEM ZUR UNTERSTÜTZUNG DER EINSTELLUNG EINER SCHIEBETÜR

Title (fr)  
DISPOSITIF D'ASSISTANCE AU RÉGLAGE DE LA POSITION D'UNE PORTE COULISSANTE ET SYSTÈME D'ASSISTANCE AU RÉGLAGE DE LA POSITION D'UNE COULISSANTE

Publication  
**EP 4036358 A1 20220803 (EN)**

Application  
**EP 22154333 A 20220131**

Priority  
JP 2021015169 A 20210202

Abstract (en)  
A sliding door position adjustment assisting device (100) includes: a drive control unit (101) configured to move a sliding door (10) in an opening/closing direction by controlling a drive unit (40); a measurement value acquisition unit (102) configured to acquire a measurement value related to at least one of a moving distance of the sliding door (10) and a load applied to the sliding door (10), the measurement value being measured when the sliding door (10) is driven in a direction of pressing the sliding door (10) against an opposing object under a predetermined operating condition by the drive control unit (101) with a door end rubber (11) provided at a door end of the sliding door (10) being in contact with the opposing object; and a measurement value output unit (103) configured to output the measurement value acquired by the measurement value acquisition unit (102).

IPC 8 full level  
**E05F 15/41** (2015.01); **B61D 19/02** (2006.01); **E05F 15/632** (2015.01)

CPC (source: CN EP)  
**B61B 1/02** (2013.01 - CN); **B61D 19/026** (2013.01 - CN EP); **E05D 13/00** (2013.01 - CN); **E05F 15/41** (2015.01 - EP); **E05F 15/42** (2015.01 - CN); **E05F 15/632** (2015.01 - EP); **E05F 15/635** (2015.01 - CN); **E05F 15/655** (2015.01 - CN); **E05F 15/659** (2015.01 - CN); **E05Y 2400/31** (2013.01 - EP); **E05Y 2400/32** (2013.01 - EP); **E05Y 2400/33** (2013.01 - EP); **E05Y 2400/354** (2013.01 - EP); **E05Y 2400/42** (2013.01 - EP); **E05Y 2400/456** (2013.01 - EP); **E05Y 2400/458** (2013.01 - EP); **E05Y 2400/53** (2013.01 - EP); **E05Y 2400/54** (2013.01 - EP); **E05Y 2400/55** (2013.01 - EP); **E05Y 2400/58** (2013.01 - EP); **E05Y 2400/81** (2013.01 - EP); **E05Y 2800/27** (2013.01 - EP); **E05Y 2800/678** (2013.01 - EP); **E05Y 2800/748** (2013.01 - EP); **E05Y 2900/404** (2013.01 - EP); **E05Y 2900/51** (2013.01 - CN EP); **E05Y 2900/531** (2013.01 - CN)

Citation (applicant)  
JP 2019105144 A 20190627 - HITACHI METALS LTD

Citation (search report)  
• [X] US 2013025203 A1 20130131 - OZAKI SATORU [JP]  
• [X] EP 3499470 A1 20190619 - BODE GMBH & CO KG GEBR [DE]  
• [X] US 7073291 B2 20060711 - KAWANOBE OSAMU [JP], et al  
• [X] US 2019360255 A1 20191128 - OZAKI SATORU [JP], et al  
• [E] EP 3971379 A1 20220323 - NABTESCO CORP [JP]

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)  
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DOCDB simple family (publication)  
**EP 4036358 A1 20220803**; CN 114837515 A 20220802; CN 114837515 B 20240312; JP 2022118567 A 20220815

DOCDB simple family (application)  
**EP 22154333 A 20220131**; CN 202210110620 A 20220129; JP 2021015169 A 20210202