

Title (en)
HINGE DEVICE

Title (de)
SCHARNIERVORRICHTUNG

Title (fr)
DISPOSITIF DE CHARNIÈRE

Publication
EP 2853667 A1 20150401 (EN)

Application
EP 13793386 A 20130513

Priority
• JP 2012115486 A 20120521
• JP 2013063270 W 20130513

Abstract (en)
A first engagement recess 41 and a first inclined surface 43 continuing from an open portion of the first engagement recess 41 are formed in a front end portion of a pedestal 1. A second engagement recess 42 and a second inclined surface 44 continuing from an open portion of the second engagement recess 42 are formed in a rear end portion of the pedestal 1. An inclination angle of the first inclined surface 43 with respect to a reference line that is a straight line connecting a contact point between the first engagement shaft 46 and the first inclined surface 43 and a contact point between the second engagement shaft 50 and the second inclined surface 44 is greater than an inclination angle of the second inclined surface 44 with respect to the reference line. The first inclined surface 43 and the second inclined surface 44 are disposed such that the first engagement shaft 46 and the second engagement shaft 50 disposed in the body 3 can be respectively contacted with the first inclined surface 43 and the second inclined surface 44 at the same time.

IPC 8 full level
E05D 7/12 (2006.01); **E05D 3/14** (2006.01); **E05D 7/04** (2006.01)

CPC (source: EP)
E05D 3/142 (2013.01); **E05D 7/0407** (2013.01); **E05D 7/0415** (2013.01); **E05D 7/123** (2013.01); **E05D 7/125** (2013.01); **E05D 2007/128** (2013.01); **E05F 5/006** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/254** (2013.01); **E05Y 2201/266** (2013.01); **E05Y 2600/528** (2013.01); **E05Y 2600/53** (2013.01); **E05Y 2600/56** (2013.01); **E05Y 2600/626** (2013.01); **E05Y 2600/63** (2013.01); **E05Y 2900/20** (2013.01)

Cited by
EP3643862A4; AT521170A4; AT521170B1; WO2020006587A1; US11384577B2; EP4155493A1

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 2853667 A1 20150401; **EP 2853667 A4 20160224**; **EP 2853667 B1 20190501**; CN 104220689 A 20141217; CN 104220689 B 20160824; ES 2732756 T3 20191125; JP 5695756 B2 20150408; JP WO2013175983 A1 20160112; WO 2013175983 A1 20131128

DOCDB simple family (application)
EP 13793386 A 20130513; CN 201380019514 A 20130513; ES 13793386 T 20130513; JP 2013063270 W 20130513; JP 2013541111 A 20130513