Title (en)

BOTTOM-MOUNTED SLIDE AND MANUFACTURING METHOD THEREOF

Title (de)

AN EINER UNTERSEITE MONTIERTER SCHIEBER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

CURSEUR MONTÉ SUR UN FOND ET PROCÉDÉ DE FABRICATION CORRESPONDANT

Publication

EP 2308348 A2 20110413 (EN)

Application

EP 09803129 A 20090728

Priority

- KR 2009004183 W 20090728
- KR 20080073314 A 20080728

Abstract (en)

The present invention relates to a bottom-mounted slide. The bottom-mounted slide includes a movable member, stationary members and a ball housing. First raceways are formed in both lateral sides of the movable member. Each stationary member has second raceways which are respectively connected to the first raceways by corresponding balls to guide the movable member. The balls roll along the corresponding first and second raceways. The ball housing is provided between the movable member and each of the stationary members. The ball housing supports the balls. A depressed part is provided in a predetermined portion of each of the lateral sides of the movable member between the corresponding first raceways. The depressed part is inserted into a hollow space defined inside the first raceways of the corresponding end of the movable member. Therefore, the stability can be increased by improvement of roll-forming and reduction of horizontal moment.

IPC 8 full level

A47B 88/14 (2006.01); **A47B 88/493** (2017.01)

CPC (source: EP US)

A47B 88/487 (2016.12 - US); **A47B 88/493** (2016.12 - EP); A47B 2210/0032 (2013.01 - EP); A47B 2210/0035 (2013.01 - EP); A47B 2210/0056 (2013.01 - EP)

Cited by

EP2967213A4; US9739306B2; US9850944B2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010013924 A2 20100204; **WO 2010013924 A3 20100701**; CN 102170809 A 20110831; CN 102170809 B 20140226; EP 2308348 A2 20110413; EP 2308348 A4 20111214; JP 2011527908 A 20111110; JP 5100888 B2 20121219

DOCDB simple family (application)

KR 2009004183 W 20090728; CN 200980117641 A 20090728; EP 09803129 A 20090728; JP 2011511525 A 20090728