

Title (en)  
SLIDE FASTENER

Title (de)  
REISSVERSCHLUSS

Title (fr)  
FERMETURE À GLISSIÈRE

Publication  
**EP 2382888 A1 20111102 (EN)**

Application  
**EP 09838261 A 20090113**

Priority  
JP 2009050284 W 20090113

Abstract (en)  
In a slide fastener in which engaging of a left-right direction in the slide fastener is performed by alternately engaging engagement neck portions (12N, 13N) and engagement head portions (12H, 13H) respectively formed in a pair of first and second element (12, 13) rows of left and right, and engaging of a front-back direction in the slide fastener is performed by alternately engaging back latch portions (12R, 13R) formed on front surface sides of the engagement head portions (12H, 13H) of the first and second element (12, 13) rows and front latch portions (12D, 13D) formed on sides and front surface sides in the engagement head portions (12H, 13H) or the engagement neck portions (12N, 13N), an extension length (12L) of the front latch portion (12D) in the first element (12) row is formed to be shorter than an extension length (13L) of the front latch portion (13D) in the second element (13) row. When performing engaging and disengaging of the first and second element (12, 13) rows, joining or separation from the front-back direction and the left-right direction is obliquely performed, and thus it is possible to increase a curvature of the left-right direction of the first and second element (12, 13) rows when performing engaging and disengaging. As a result, a gap between the first and second elements (12, 13) that are lined, respectively, is narrowed, and an occupied area of the elements in the engaging state increases, and thus an appearance of the front surface of the slide fastener can be aesthetically finished.

IPC 8 full level  
**A44B 19/06** (2006.01); **A44B 19/26** (2006.01)

CPC (source: EP)  
**A44B 19/06** (2013.01); **A44B 19/26** (2013.01)

Cited by  
JP2013233458A

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 TR

DOCDB simple family (publication)  
**EP 2382888 A1 20111102**; **EP 2382888 A4 20130626**; **EP 2382888 B1 20140604**; CN 102281787 A 20111214; CN 102281787 B 20140312; EP 2614741 A1 20130717; EP 2614741 B1 20180103; EP 2614742 A1 20130717; EP 2614742 B1 20170906; TW 201026248 A 20100716; TW I375535 B 20121101; WO 2010082291 A1 20100722

DOCDB simple family (application)  
**EP 09838261 A 20090113**; CN 200980154412 A 20090113; EP 13001892 A 20090113; EP 13001893 A 20090113; JP 2009050284 W 20090113; TW 98119085 A 20090608