

Title (en)
PIN-RETAINED CLIP

Title (de)
MIT STIFT GEHALTENE KLAMMER

Title (fr)
PINCE DE RETENUE DE BROCHE

Publication
EP 1938704 A1 20080702 (EN)

Application
EP 06766411 A 20060522

Priority
• JP 2006310609 W 20060522
• JP 2005018915 W 20051007

Abstract (en)
A fastener including a pin holder and a pin in which is provided a holding portion in a leading extreme portion vicinity, wherein the pin holder, by bend forming a central portion of a longitudinal direction of a thin plate-like spring material, is formed to have a triangular side view shape formed by an apex and a pair of inclining portions on either side thereof and, as well as providing a pin holder hole for inserting a pin in the apex, a pair of holding members, of a length such as to lock onto the holding portion of the pin inserted into the pin holder hole, protrude from a peripheral portion of a longitudinal direction in the pin holder hole, in the same direction as the inclining portions. According to this invention, a pin holder type fastener with a small pin insertion force but a large pin extraction force, with which moreover it is possible to end a pinning condition with an easy operation, is provided.

IPC 8 full level
A44B 6/00 (2006.01); **A44B 99/00** (2010.01); **A44C 7/00** (2006.01)

CPC (source: EP KR US)
A44B 7/00 (2013.01 - KR); **A44B 9/00** (2013.01 - KR); **A44B 9/08** (2013.01 - EP US); **A44B 9/10** (2013.01 - EP US); **A44B 99/00** (2013.01 - KR); **A44D 2201/02** (2013.01 - EP US); **A44D 2201/06** (2013.01 - EP US); **Y10T 24/1365** (2015.01 - EP US)

Citation (search report)
See references of WO 2007043212A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1938704 A1 20080702; CA 2622364 A1 20070419; CN 101282666 A 20081008; JP WO2007043212 A1 20090416; KR 20080035673 A 20080423; US 2009300886 A1 20091210; WO 2007043179 A1 20070419; WO 2007043212 A1 20070419

DOCDB simple family (application)
EP 06766411 A 20060522; CA 2622364 A 20060522; CN 200680037191 A 20060522; JP 2005018915 W 20051007; JP 2006310609 W 20060522; JP 2007539816 A 20060522; KR 20087005245 A 20080303; US 8317208 A 20080521