

Title (en)

ZIPPER CHAIN WITH BOTTOM STOP AND PRODUCTION METHOD FOR SAID ZIPPER CHAIN

Title (de)

REISSVERSCHLUSSKETTE MIT UNTEREM ENDANSCHLAG UND HERSTELLUNGSVERFAHREN FÜR DIESE REISSVERSCHLUSSKETTE

Title (fr)

CHAÎNE DE FERMETURE À GLISSIÈRE DOTÉE D'UNE RÉUNION ET PROCÉDÉ DE PRODUCTION DE LADITE CHAÎNE DE FERMETURE À GLISSIÈRE

Publication

EP 2668865 A1 20131204 (EN)

Application

EP 11856746 A 20111213

Priority

- JP 2011014236 A 20110126
- JP 2011078810 W 20111213

Abstract (en)

There are provided an fastener chain with a separable bottom end stop capable of increasing the reinforcement force of a portion to which the separable bottom end stop is attached without using a reinforcing tape and keeping aesthetic appearance, and a method for producing the fastener chain. The fastener chain with a separable bottom end stop which includes reinforced portions (107a, 107b) at portions to which the separable bottom end stop (106) is attached, the reinforced portions into which a curing adhesive (205, 308, 402) has penetrated and cured, and that has a misalignment-free strength of 100 N or more at the reinforced portion. The method for producing a fastener chain with the separable bottom end stop which includes a process A for preparing a fastener chain including a plurality of element intermittent portions, a process B for attaching a separable bottom end stop to each of the element intermittent portions, a process C for impregnating each of the element intermittent portions with a curing adhesive having a viscosity of 100 to 2000 mPa·S before or after the process B, and a process D for curing the curing adhesive which has penetrated into the element intermittent portions by the process C.

IPC 8 full level

A44B 19/60 (2006.01); **A44B 19/36** (2006.01)

CPC (source: EP KR US)

A44B 19/36 (2013.01 - EP US); **A44B 19/38** (2013.01 - KR); **A44B 19/388** (2013.01 - US); **A44B 19/60** (2013.01 - EP KR US);
Y10T 24/2588 (2015.01 - EP US); **Y10T 156/10** (2015.01 - EP US)

Cited by

CN105768401A; TWI831600B

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

DOCDB simple family (publication)

EP 2668865 A1 20131204; **EP 2668865 A4 20160323**; **EP 2668865 B1 20170906**; CN 103338672 A 20131002; CN 103338672 B 20150819;
ES 2646962 T3 20171218; JP 5731546 B2 20150610; JP WO2012101919 A1 20140630; KR 101508453 B1 20150407;
KR 20130094855 A 20130826; TW 201236596 A 20120916; TW I459915 B 20141111; US 2013305499 A1 20131121;
WO 2012101919 A1 20120802

DOCDB simple family (application)

EP 11856746 A 20111213; CN 201180066016 A 20111213; ES 11856746 T 20111213; JP 2011078810 W 20111213;
JP 2012554638 A 20111213; KR 20137018891 A 20111213; TW 100149886 A 20111230; US 201113980885 A 20111213