

Title (en)

METHOD AND APPARATUS FOR JOINING A FLAT-LINK ARTICULATED CHAIN ELEMENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM FÜGEN EINES LASCHENKETTENGLIEDES

Title (fr)

PROCEDE ET DISPOSITIF D'ASSEMBLAGE POUR ELEMENT DE CHAINE ARTICULEE A MAILLES PLATES

Publication

EP 1105233 B1 20030226 (DE)

Application

EP 99944341 A 19990806

Priority

- DE 19836374 A 19980811
- EP 9905709 W 19990806

Abstract (en)

[origin: US6490853B1] A method for joining a plate chain link is to be improved, in which at least one plate is connected to at least one bolt by way of a pressing and aligning process. This is achieved by the measures that the bolt is centered in relation to a main chain axis by the simultaneous active application of symmetrical clamping forces to the faces and the least one plate is pushed by a joining lift relative to the bolt into a position symmetrical to the main chain axis. Furthermore, the invention relates to a device for carrying out the method.

IPC 1-7

B21L 9/06; **B21L 9/00**

IPC 8 full level

B21L 9/06 (2006.01); **B21L 9/00** (2006.01); **B21L 9/02** (2006.01)

CPC (source: EP US)

B21L 9/02 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6490853 B1 20021210; AT E233141 T1 20030315; BR 9912925 A 20010925; CN 1188231 C 20050209; CN 1316928 A 20011010; CZ 2001353 A3 20011017; CZ 294899 B6 20050413; DE 19836374 C1 20000217; DE 59904384 D1 20030403; EP 1105233 A1 20010613; EP 1105233 B1 20030226; ES 2192858 T3 20031016; JP 2002522229 A 20020723; LV 12688 A 20010720; LV 12688 B 20020120; WO 0009277 A1 20000224

DOCDB simple family (application)

US 74494901 A 20010412; AT 99944341 T 19990806; BR 9912925 A 19990806; CN 99810537 A 19990806; CZ 2001353 A 19990806; DE 19836374 A 19980811; DE 59904384 T 19990806; EP 9905709 W 19990806; EP 99944341 A 19990806; ES 99944341 T 19990806; JP 2000564760 A 19990806; LV 010016 A 20010130