

Title (en)

WELDING TOOL FOR A STRAPPING APPARATUS

Title (de)

SCHWEISSWERKZEUG FÜR EINE UMFÜHRUNGSVORRICHTUNG

Title (fr)

OUTIL DE SOUDAGE POUR UN APPAREIL DE CERCLAGE

Publication

EP 1824738 A1 20070829 (EN)

Application

EP 05796290 A 20051103

Priority

- IB 2005003282 W 20051103
- CH 18172004 A 20041104

Abstract (en)

[origin: WO2006048738A1] To improve welds implemented by a friction welding tool for a strapping apparatus, where said tool comprises a drive of which the output is convertible by means of a compliant mechanism into an oscillating motion of a welding shoe, the present invention proposes an approximately polygonal drive element (20) configured as seen in the direction of transmission of the drive motion, between the drive and the welding shoe (9), said element being fitted with a peripheral surface (24) that, in relation to an axis of rotation (18a) comprises at least three zones (30a, 30b, 30c) which from their periphery are more distant from the axis of rotation (18) than are other zones (31a, 31b, 31c) of said peripheral surface (24).

IPC 8 full level

B65B 13/32 (2006.01)

CPC (source: EP)

B65B 13/322 (2013.01)

Citation (search report)

See references of WO 2006048738A1

Cited by

US11530059B2; US11999516B2; US10336002B2; US11731794B2

Designated contracting state (EPC)

CH DE ES FR GR IT LI

DOCDB simple family (publication)

WO 2006048738 A1 20060511; CA 2586606 A1 20060511; CA 2586606 C 20100105; DE 602005006314 D1 20080605; DE 602005006314 T2 20090625; EP 1824738 A1 20070829; EP 1824738 B1 20080423; ES 2306226 T3 20081101; TW 200616855 A 20060601; TW I322783 B 20100401

DOCDB simple family (application)

IB 2005003282 W 20051103; CA 2586606 A 20051103; DE 602005006314 T 20051103; EP 05796290 A 20051103; ES 05796290 T 20051103; TW 94136231 A 20051017