

Title (en)

CROSS SEAM JOINING DEVICE FOR JOINING A SEALING SEAM FOR A FLEXIBLE PACKAGING

Title (de)

QUERNAHTFÜGEVORRICHTUNG ZUM FÜGEN EINER SIEGELNAHT FÜR EINE FLEXIBLE VERPACKUNG

Title (fr)

DISPOSITIF D'ASSEMBLAGE PAR JOINT TRANSVERSAL POUR CREER UN JOINT DE SCELLEMENT SUR UN EMBALLAGE SOUPLE

Publication

EP 3013560 A1 20160504 (DE)

Application

EP 14708053 A 20140306

Priority

- DE 102013212715 A 20130628
- EP 2014054336 W 20140306

Abstract (en)

[origin: WO2014206580A1] The invention relates to a cross seam joining device for a flexible packaging having at least one ultrasonic applicator (13a - 13c), which is rotatably mounted on a shaft (13d) and can be rotated about an axis (13e) of the shaft (13d) arranged longitudinally to the cross seam (110, 111). The ultrasonic applicator (13a - 13c) is designed to produce and bundle ultrasounds in a frequency range of 0,1 MHz - 0, 5 MHz, preferably from 0,5 MHz - 2 MHz.

IPC 8 full level

B29C 65/08 (2006.01); **B23K 20/10** (2006.01); **B29C 65/74** (2006.01)

CPC (source: EP US)

B06B 3/00 (2013.01 - EP US); **B29C 65/087** (2013.01 - EP US); **B29C 65/745** (2013.01 - EP US); **B29C 65/7451** (2013.01 - EP US); **B29C 66/0326** (2013.01 - EP US); **B29C 66/1122** (2013.01 - EP US); **B29C 66/4312** (2013.01 - EP US); **B29C 66/43121** (2013.01 - US); **B29C 66/73921** (2013.01 - EP US); **B29C 66/81417** (2013.01 - US); **B29C 66/81419** (2013.01 - EP US); **B29C 66/81422** (2013.01 - EP US); **B29C 66/81427** (2013.01 - EP US); **B29C 66/81465** (2013.01 - EP US); **B29C 66/83513** (2013.01 - EP US); **B29C 66/849** (2013.01 - EP US); **B29C 66/8491** (2013.01 - US); **B29C 66/9513** (2013.01 - EP US); **B29C 66/9517** (2013.01 - EP US); **B65B 51/225** (2013.01 - EP US); **B65B 51/306** (2013.01 - EP US); **B29C 65/08** (2013.01 - EP US); **B29C 66/133** (2013.01 - EP US); **B29C 66/4322** (2013.01 - EP US); **B29C 66/8122** (2013.01 - EP US); **B29C 66/81421** (2013.01 - EP US)

Citation (search report)

See references of WO 2014206580A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102013212715 A1 20141231; EP 3013560 A1 20160504; US 2016368205 A1 20161222; US 9993970 B2 20180612; WO 2014206580 A1 20141231

DOCDB simple family (application)

DE 102013212715 A 20130628; EP 14708053 A 20140306; EP 2014054336 W 20140306; US 201414901233 A 20140306