

Title (en)
CONTOUR-FORMING WELDING TOOL FOR PULSE WELDING AND CONTOUR-FORMING PULSE WELDING METHOD FOR A MEDICAL PACK FORMED AS A BAG

Title (de)
KONTURFORMENDES SCHWEISSWERKZEUG ZUM IMPULSSCHWEISSEN SOWIE KONTURFORMENDES IMPULSSCHWEISSVERFAHREN FÜR EINE ALS BEUTEL AUSGEBILDETE MEDIZINISCHE VERPACKUNG

Title (fr)
OUTIL DE SOUDAGE FORMANT UN CONTOUR POUR SOUDER PAR IMPULSIONS ET PROCÉDÉ DE SOUDAGE PAR IMPULSIONS FORMANT UN CONTOUR POUR UN EMBALLAGE MÉDICAL RÉALISÉ SOUS FORME DE SACHET

Publication
EP 3856497 A1 20210804 (DE)

Application
EP 19770109 A 20190924

Priority
• EP 18196536 A 20180925
• EP 2019075616 W 20190924

Abstract (en)
[origin: WO2020064675A1] The invention relates to a welding tool and to a method for pulse welding of plastic films for medical packs formed as bags. In general, the invention provides that the film material which is plastified during welding and thus free-flowing is specifically displaced into a deepened, edge-side inner region of the sealing surface by increasing the sealing surface area. The film material accumulated in the recess leads to an increase in the film thickness in the inner region (25i) of the weld seam (6, 7, 8). As a result, the mechanical stability of the medical pack formed as a bag can be improved.

IPC 8 full level
B29C 65/22 (2006.01); **A61J 1/10** (2006.01); **B29C 65/38** (2006.01)

CPC (source: EP US)
A61J 1/10 (2013.01 - EP US); **B29C 65/224** (2013.01 - EP US); **B29C 65/38** (2013.01 - EP US); **B29C 65/8253** (2013.01 - EP); **B29C 66/1122** (2013.01 - EP US); **B29C 66/24244** (2013.01 - EP US); **B29C 66/244** (2013.01 - US); **B29C 66/346** (2013.01 - EP US); **B29C 66/43** (2013.01 - EP US); **B29C 66/53263** (2013.01 - EP US); **B29C 66/71** (2013.01 - US); **B29C 66/723** (2013.01 - US); **B29C 66/7352** (2013.01 - US); **B29C 66/73921** (2013.01 - EP US); **B29C 66/8122** (2013.01 - US); **B29C 66/81261** (2013.01 - US); **B29C 66/81427** (2013.01 - EP US); **B29C 66/81431** (2013.01 - EP US); **B29C 66/81811** (2013.01 - EP US); **B29C 66/81871** (2013.01 - EP US); **B29C 66/8322** (2013.01 - EP US); **B29C 66/8511** (2013.01 - US); **B29C 66/919** (2013.01 - US); **B29C 66/949** (2013.01 - US); **B29C 66/244** (2013.01 - EP); **B29C 66/71** (2013.01 - EP); **B29C 66/723** (2013.01 - EP); **B29C 66/7352** (2013.01 - EP); **B29C 66/8122** (2013.01 - EP); **B29C 66/81261** (2013.01 - EP); **B29C 66/849** (2013.01 - EP); **B29C 66/919** (2013.01 - EP); **B29C 66/949** (2013.01 - EP); **B29L 2031/7148** (2013.01 - EP)

Citation (search report)
See references of WO 2020064675A1

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)
WO 2020064675 A1 20200402; AU 2019348469 A1 20210225; CL 2021000682 A1 20211015; CN 112770894 A 20210507; CN 112770894 B 20230613; EP 3856497 A1 20210804; US 11498284 B2 20221115; US 2021299971 A1 20210930; ZA 202100793 B 20220831

DOCDB simple family (application)
EP 2019075616 W 20190924; AU 2019348469 A 20190924; CL 2021000682 A 20210319; CN 201980063237 A 20190924; EP 19770109 A 20190924; US 201917265317 A 20190924; ZA 202100793 A 20210204