

Title (en)
COUNTER-TOOL, ULTRASONIC WELDING MACHINE AND METHOD FOR PRODUCING A SEAL WELD AND COSMETIC WELD

Title (de)
GEGENWERKZEUG, ULTRASCHALLSCHWEIßMASCHINE SOWIE VERFAHREN ZUR ERZEUGUNG EINER DICHT- UND KOSMETIKNAHT

Title (fr)
CONTRE-OUTIL, MACHINE DE SOUDAGE AUX ULTRASONS ET PROCÉDÉ POUR PRODUIRE UN CORDON ÉTANCHE ET COSMÉTIQUE

Publication
EP 4175819 A1 20230510 (DE)

Application
EP 21742725 A 20210623

Priority
• DE 102020117463 A 20200702
• EP 2021067074 W 20210623

Abstract (en)
[origin: WO2022002706A1] The present invention relates to a counter-tool for an ultrasonic welding machine, the counter-tool having two separate sealing surfaces that are intended to come into contact with a material to be treated, characterized in that the counter-tool has two parts, the two parts of the counter-tool being movable with respect to each other and each of the parts having one of the sealing surfaces.

IPC 8 full level
B29C 65/08 (2006.01); **B65B 51/14** (2006.01); **B65B 51/22** (2006.01)

CPC (source: EP US)
B29C 65/08 (2013.01 - EP US); **B29C 66/1122** (2013.01 - EP); **B29C 66/232** (2013.01 - EP); **B29C 66/43121** (2013.01 - EP); **B29C 66/71** (2013.01 - EP); **B29C 66/723** (2013.01 - US); **B29C 66/7373** (2013.01 - EP); **B29C 66/73921** (2013.01 - EP); **B29C 66/81427** (2013.01 - EP US); **B29C 66/81431** (2013.01 - EP); **B29C 66/81435** (2013.01 - EP US); **B29C 66/81463** (2013.01 - EP); **B29C 66/81469** (2013.01 - US); **B29C 66/8221** (2013.01 - EP); **B29C 66/8242** (2013.01 - EP); **B29C 66/8322** (2013.01 - EP); **B29C 66/83221** (2013.01 - EP US); **B29C 66/8511** (2013.01 - US); **B29C 66/92451** (2013.01 - EP); **B29L 2031/7128** (2013.01 - EP US); **B65B 51/146** (2013.01 - EP); **B65B 51/225** (2013.01 - EP)

Citation (search report)
See references of WO 2022002706A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020117463 A1 20220105; CN 115720548 A 20230228; EP 4175819 A1 20230510; JP 2023531700 A 20230725; US 2023241845 A1 20230803; WO 2022002706 A1 20220106

DOCDB simple family (application)
DE 102020117463 A 20200702; CN 202180045204 A 20210623; EP 2021067074 W 20210623; EP 21742725 A 20210623; JP 2022579726 A 20210623; US 202117927823 A 20210623