

Title (en)
PRODUCTION MACHINE AND METHOD OF ULTRASONIC WELDED 3-D CARRYING BAG WITH SELF-BELLOW AND LOWER BASE

Title (de)
PRODUKTIONSMASCHINE UND -VERFAHREN FÜR ULTRASCHALLGESCHWEISSTE 3D-TRAGETASCHEN MIT FALTENBALG UND UNTERBODEN

Title (fr)
MACHINE ET PROCÉDÉ DE PRODUCTION D'UN SAC DE COURSES 3-D SOUDÉ PAR ULTRASONS, À SOUFFLET ET BASE INFÉRIEURE

Publication
EP 3969271 A4 20220713 (EN)

Application
EP 19906596 A 20190708

Priority
• TR 201907182 A 20190513
• TR 2019050542 W 20190708

Abstract (en)
[origin: WO2020231357A1] The invention is an ultrasonic welded bag production system for producing bellow bags or sacks of woven or nonwoven technical or non-technical fabrics suitable for ultrasonic welding (combining) or polypropylene (PP) comprising of an inlet unit (11), a puller drive mechanism (14), a forming unit (15), a length combining station (16), a length cutting unit (18), and a bellowing station (10) from which the side bellows and bottom bellows are opened, a bellows folding station (22) that allows the bag to be folded inwardly from the side and bottom bellows surfaces, and an ironing and stacking station (23) to reduce the volume of the bag.

IPC 8 full level
B31B 70/00 (2017.01); **B31B 70/18** (2017.01); **B31B 70/26** (2017.01); **B31B 70/36** (2017.01); **B31B 70/64** (2017.01); **B31B 70/86** (2017.01); **B31B 70/98** (2017.01); **B31B 155/00** (2017.01); **B31B 160/20** (2017.01)

CPC (source: EP)
B31B 70/003 (2017.07); **B31B 70/262** (2017.07); **B31B 70/36** (2017.07); **B31B 70/645** (2017.07); **B31B 70/866** (2017.07); **B31B 70/982** (2017.07); **B31B 2155/0014** (2017.07); **B31B 2160/20** (2017.07)

Citation (search report)
• [A] US 5279095 A 19940118 - MUELLER WERNER [CH]
• [A] CH 348863 A 19600915 - HABRA WERK OTT KG [DE]
• See references of WO 2020231357A1

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 2020231357 A1 20201119; EP 3969271 A1 20220323; EP 3969271 A4 20220713; TR 201907182 A2 20190621

DOCDB simple family (application)
TR 2019050542 W 20190708; EP 19906596 A 20190708; TR 201907182 A 20190513