

Title (en)  
DEVICE FOR PROCESSING FOR OBJECT TO BE PROCESSED

Title (de)  
VORRICHTUNG ZUR VERARBEITUNG EINES ZU VERARBEITENDEN OBJEKTS

Title (fr)  
DISPOSITIF DE TRAITEMENT D'OBJET À TRAITER

Publication  
**EP 3305978 A4 20190123 (EN)**

Application  
**EP 16803138 A 20160524**

Priority  
• JP 2015110066 A 20150529  
• JP 2015250180 A 20151222  
• JP 2016065302 W 20160524

Abstract (en)  
[origin: EP3305978A1] An object of the present invention is to provide a processing apparatus with which an operation for retaining and switching a processing subject can be shortened in order to reduce an amount of time required for folding processing. A processing apparatus (1C) for unfurling or folding a processing subject (T) includes a first retaining device (300A) and a second retaining device (300B) that are capable of moving within a first area and retaining the processing subject (T), a carrying device (400) disposed within the first area so as to be capable of carrying the processing subject (T), and a third retaining device (300C) that is capable of moving within a second area disposed below the first area so as to overlap the first area, and retaining the processing subject (T) below the carrying device (400).

IPC 8 full level  
**D06F 89/00** (2006.01); **D06F 58/12** (2006.01); **D06F 67/04** (2006.01)

CPC (source: EP KR US)  
**D06F 89/00** (2013.01 - EP KR US)

Citation (search report)  
• [X] WO 2012046227 A1 20120412 - FOLD FOR ME LTD [IL], et al  
• [X] EP 2584087 A1 20130424 - GIRBAU ROBOTICS [FR]  
• [A] JP 2002321869 A 20021108 - HAKKO SHOKAI KK, et al  
• [A] EP 2647757 A1 20131009 - SEVEN DREAMERS LAB INC [US]  
• See also references of WO 2016194703A1

Cited by  
CN112566409A; CN112845241A

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

DOCDB simple family (publication)  
**EP 3305978 A1 20180411**; **EP 3305978 A4 20190123**; CA 2987561 A1 20161208; CN 107735524 A 20180223; CN 107735524 B 20200623; JP 7007909 B2 20220125; JP WO2016194703 A1 20180419; KR 20180022724 A 20180306; US 2018163342 A1 20180614; WO 2016194703 A1 20161208

DOCDB simple family (application)  
**EP 16803138 A 20160524**; CA 2987561 A 20160524; CN 201680034875 A 20160524; JP 2016065302 W 20160524; JP 2017521839 A 20160524; KR 20177037846 A 20160524; US 201615577426 A 20160524