

Title (en)  
SELF-CENTERING PART EXTRACTOR

Title (de)  
SELBSTZENTRIERENDER TEILEXTRAKTOR

Title (fr)  
EXTRACTEUR DE PIÈCES AUTO-CENTREUR

Publication  
**EP 3266566 A4 20181121 (EN)**

Application  
**EP 16754801 A 20160317**

Priority  
• ES 201530227 A 20150224  
• ES 2016070182 W 20160317

Abstract (en)  
[origin: EP3266566A1] The invention relates to a self-centering part extractor comprising a first spindle (1) and a second spindle (2), said spindles being coaxial to, and independent of one another. A body (3) is screwed to the first spindle (1). The body (3) is secured to the second spindle (2) which supports: a handle (6) that is screwed to the spindle, a lower ring (7) independent of the second spindle (2), and an annular support (8) which is also independent of the second spindle (2) and is secured to the upper handle (6) such that it can rotate freely relative to same. Connecting rods (9) are hinged between the annular support (8) and the legs (4), which rods are connected to the intermediate ring (7) by means of pins (13) and grooves (12).

IPC 8 full level  
**B25B 27/02** (2006.01)

CPC (source: EP ES)  
**B25B 27/02** (2013.01 - ES); **B25B 27/023** (2013.01 - EP ES)

Citation (search report)  
• [Y] US 4068365 A 19780117 - BRANDT PAUL W, et al  
• [Y] US 2009139071 A1 20090604 - PALKA WALDEMAR [US]  
• [A] US 5557833 A 19960924 - POOL JAMES L [US]  
• See references of WO 2016135367A1

Cited by  
CN110181457A

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 3266566 A1 20180110; EP 3266566 A4 20181121; EP 3266566 B1 20210811**; ES 2543281 A1 20150817; ES 2543281 B1 20160530;  
WO 2016135367 A1 20160901

DOCDB simple family (application)  
**EP 16754801 A 20160317**; ES 201530227 A 20150224; ES 2016070182 W 20160317