

Title (en)  
EXCAVATOR BOOM AND EXCAVATOR

Title (de)  
BAGGERAUSLEGER UND BAGGER

Title (fr)  
FLÈCHE DE PELLE ET PELLE EXCAVATRICE

Publication  
**EP 3456887 A1 20190320 (DE)**

Application  
**EP 18194014 A 20180912**

Priority  
DE 102017121516 A 20170915

Abstract (en)  
[origin: US2019085533A1] The present invention relates to a boom for an earth-moving machine, in particular an excavator, with at least two bearing plates for supporting a cylinder unit, which at least for the most part extend parallel to each other in the longitudinal direction of the boom, wherein the bearing plates have an end-side curvature extending outwardly to the lateral edge of the boom.

Abstract (de)  
Die vorliegende Erfindung betrifft einen Ausleger für eine Erdbewegungsmaschine, insbesondere einen Bagger, mit wenigstens zwei Lagerblechen zur Lagerung einer Zylindereinheit, diese zumindest großteils parallel zueinander in Auslegerlängsrichtung verlaufen, wobei die Lagerbleche eine endseitige, nach aussen zur Seitenkante des Auslegers verlaufende Krümmung aufweisen.

IPC 8 full level  
**E02F 3/38** (2006.01)

CPC (source: CN EP US)  
**E02F 3/28** (2013.01 - CN); **E02F 3/38** (2013.01 - CN EP US); **E02F 3/382** (2013.01 - US); **E02F 9/125** (2013.01 - US); **E02F 9/14** (2013.01 - US); **E02F 9/0825** (2013.01 - US)

Citation (search report)

- [Y] JP S6376057 U 19880520
- [Y] JP 2010106463 A 20100513 - SUMITOMO HEAVY INDUSTRIES, et al
- [Y] WO 9900554 A1 19990107 - CATERPILLAR INC [US]
- [A] JP H06220884 A 19940809 - YANMAR DIESEL ENGINE CO

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)  
**EP 3456887 A1 20190320**; **EP 3456887 B1 20210609**; CN 109505319 A 20190322; CN 109505319 B 20220712; DE 102017121516 A1 20190321; ES 2887347 T3 20211222; US 10378182 B2 20190813; US 2019085533 A1 20190321

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**EP 18194014 A 20180912**; CN 201811097269 A 20180917; DE 102017121516 A 20170915; ES 18194014 T 20180912; US 201816130895 A 20180913