

Title (en)

MOUNTAIN BRACKET AND DEVICE FOR ADJUSTING THE ANGLE OF ATTACHMENT OF DISK COLTERS

Title (de)

MONTAGEKLAMMER UND VORRICHTUNG ZUR WINKELVERSTELLUNG ZUR BEFESTIGUNG EINER PLATTENKOLTERN

Title (fr)

SUPPORT DE MONTAGE DE PROLONGEMENT DE LA DURÉE DE VIE D'UN DISPOSITIF DE TASSEMENT DE GRAINES ET DISPOSITIF DE RÉGLAGE D'ANGLE POUR COUTRES DE TYPE À DISQUE

Publication

**EP 3393227 A1 20181031 (EN)**

Application

**EP 16879882 A 20161212**

Priority

- US 201562270957 P 20151222
- US 201662278081 P 20160113
- US 201662312221 P 20160323
- US 2016066214 W 20161212

Abstract (en)

[origin: WO2017112446A1] The present invention involves a seed firmer with a pusher attachment that extends the life of the seed firmer and brackets for mounting the same to a planter. The disclosed invention additionally involves an adjustment mechanism for seed or grain drill planters which allows for the adjustment of the camber and/or toe of individual coulters on the planter.

IPC 8 full level

**A01C 5/06** (2006.01); **A01C 7/08** (2006.01); **A01C 7/20** (2006.01)

CPC (source: EP RU)

**A01C 5/068** (2013.01 - EP); **A01C 7/06** (2013.01 - EP); **A01C 7/08** (2013.01 - RU); **A01C 7/20** (2013.01 - RU)

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 2017112446 A1 20170629**; AU 2016379081 A1 20180705; AU 2016379081 B2 20210819; AU 2021211998 A1 20210826;  
AU 2021211998 B2 20230713; BR 112018012638 A2 20181204; CA 3008261 A1 20170629; EP 3393227 A1 20181031;  
EP 3393227 A4 20200122; RU 2018124819 A 20200109; RU 2018124819 A3 20200109; RU 2713339 C2 20200204; UA 121433 C2 20200525

DOCDB simple family (application)

**US 2016066214 W 20161212**; AU 2016379081 A 20161212; AU 2021211998 A 20210803; BR 112018012638 A 20161212;  
CA 3008261 A 20161212; EP 16879882 A 20161212; RU 2018124819 A 20161212; UA A201807984 A 20161212