

Title (en)

A SYSTEM FOR GRINDING STUMPS AND CLEARING BRUSH, AND RELATED METHODS AND DEVICES

Title (de)

SYSTEM ZUM SCHLEIFEN VON STÜMPFEN UND AUSPUTZBÜRSTE SOWIE RELEVANTE VERFAHREN UND VORRICHTUNGEN

Title (fr)

SYSTÈME DE BROYAGE DE SOUCHES ET DE DÉBROUSSAILLAGE, ET PROCÉDÉS ET DISPOSITIFS ASSOCIÉS

Publication

EP 3629701 A4 20210317 (EN)

Application

EP 18806254 A 20180523

Priority

- US 201762510401 P 20170524
- US 201762594429 P 20171204
- US 2018034062 W 20180523

Abstract (en)

[origin: WO2018217851A1] A cutting system includes a wheel, a tooth and a fastener. The wheel has a hub, a periphery, a side that extends from the hub to the periphery, and a receiver located on the wheel's side. The hub has a longitudinal axis about which the wheel may rotate, and the receiver includes a bearing surface. The tooth is mounted to the wheel's receiver and includes a blade and a mount. The blade cuts material when the wheel rotates about the hub's longitudinal axis and the blade contacts the material. The mount couples the blade to the wheel's receiver. The mount includes a first interface where the blade couples with the mount, and a second interface where the mount couples with the wheel's receiver. The mount's second interface is configured to mimic and nest with the wheel's receiver and includes a bearing surface that transmits to the bearing surface of the wheel's receiver loads that the material exerts on the blade while the blade cuts the material. The fastener secures the tooth to the wheel and holds the bearing surface of the mount's second interface against the bearing surface of the wheel's receiver, and specifically does not include the bearing surface of the tooth's mount.

IPC 8 full level

A01G 23/06 (2006.01); **B23D 35/00** (2006.01); **B27C 1/00** (2006.01)

CPC (source: EP)

A01G 23/067 (2013.01)

Citation (search report)

- [X] US 2005166997 A1 20050804 - SHINN RICKEY D [US]
- [X] US 2007193654 A1 20070823 - BENNINGTON JOHN T [US]
- See references of WO 2018217851A1

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)

WO 2018217851 A1 20181129; AU 2018273213 A1 20200123; CA 3101309 A1 20181129; EP 3629701 A1 20200408; EP 3629701 A4 20210317

DOCDB simple family (application)

US 2018034062 W 20180523; AU 2018273213 A 20180523; CA 3101309 A 20180523; EP 18806254 A 20180523