

Title (en)
GROUND-ENGAGING APPARATUS AND METHOD FOR CONFIGURING THE SAME

Title (de)
BODENEINGRIFFSVORRICHTUNG UND VERFAHREN ZU IHRER KONFIGURATION

Title (fr)
APPAREIL VENANT AU CONTACT DU SOL ET PROCÉDÉ POUR LE CONFIGURER

Publication
EP 4237632 A1 20230906 (EN)

Application
EP 21815655 A 20211028

Priority
• GB 202017116 A 20201028
• IB 2021059977 W 20211028

Abstract (en)
[origin: WO2022090992A1] The disclosure is directed to a ground-engaging apparatus (50) that is mountable at a distal end of an articulated arm of a ground- excavating machine, wherein the ground-engaging apparatus includes a plurality of teeth (28) arranged in a row for engaging onto ground to be excavated; and wherein the teeth are retained onto a carrier of the ground-engaging apparatus via corresponding locking pins, wherein the locking pins are configured to be ejected automatically after the teeth have undergone a threshold amount of wear, thereby enabling the teeth when worn to be removed and replaced

IPC 8 full level
E02F 9/28 (2006.01)

CPC (source: EP GB)
E02F 9/2825 (2013.01 - EP); **E02F 9/2833** (2013.01 - EP GB); **E02F 9/2883** (2013.01 - GB)

Citation (search report)
See references of WO 2022090992A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022090992 A1 20220505; AU 2021371931 A1 20230622; CN 116507777 A 20230728; EP 4237632 A1 20230906; GB 2600174 A 20220427; GB 2600174 A8 20220608; GB 2600174 B 20230510; JP 2023547545 A 20231110

DOCDB simple family (application)
IB 2021059977 W 20211028; AU 2021371931 A 20211028; CN 202180073455 A 20211028; EP 21815655 A 20211028; GB 202017116 A 20201028; JP 2023527254 A 20211028