

Title (en)  
ROOT CROP HARVESTER

Title (de)  
HACKFRUCHTERNTEMASCHINE

Title (fr)  
RÉCOLTEUSE DE CULTURES À RACINES

Publication  
**EP 4145976 A1 20230315 (DE)**

Application  
**EP 21727088 A 20210507**

Priority  
• DE 102020112427 A 20200507  
• EP 2021062200 W 20210507

Abstract (en)  
[origin: CA3177891A1] The invention relates to a root crop harvester (2), comprising a conveyor device (4) for conveying a material to be conveyed, formed by harvested crop and additional material, in a conveying direction (6), and a separation device (10) having at least one separation element (8) for separating the additional material from the harvested crop. The separation device comprises a conveyed material sensor (12) for recording conveyed material data, which is coupled to an EDP evaluation unit and directed towards the conveyed material, in particular towards the conveyor device (4), during operation. According to the invention, the separation device (10) comprises multiple separation elements (8), arranged at least partially next to one another when viewed in the conveying direction (6), which can be individually actuated by the EDP evaluation unit according to the conveyed material data.

IPC 8 full level  
**A01D 33/04** (2006.01)

CPC (source: EP IL US)  
**A01D 33/04** (2013.01 - EP IL US); **A01D 33/08** (2013.01 - US)

Citation (search report)  
See references of WO 2021224476A1

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)  
**DE 102020112427 A1 20211111**; BR 112022022191 A2 20221213; CA 3177891 A1 20211111; CN 115551342 A 20221230;  
EP 4145976 A1 20230315; IL 297943 A 20230101; JP 2023524143 A 20230608; US 2023172099 A1 20230608; WO 2021224476 A1 20211111

DOCDB simple family (application)  
**DE 102020112427 A 20200507**; BR 112022022191 A 20210507; CA 3177891 A 20210507; CN 202180033685 A 20210507;  
EP 2021062200 W 20210507; EP 21727088 A 20210507; IL 29794322 A 20221103; JP 2022567324 A 20210507; US 202117998080 A 20210507