

Title (en)

MACHINE FOR PULLING ENDIVES AND OTHER PIVOTING ROOTS.

Title (de)

MASCHINE ZUM HERAUSZIEHEN VON CHICOREE UND ANDEREN NETZARTIGEN WURZELN.

Title (fr)

MACHINE A ARRACHER LES ENDIVES ET AUTRES RACINES PIVOTANTES.

Publication

EP 0008313 A1 19800305 (FR)

Application

EP 78900147 A 19790424

Priority

CH 1228477 A 19771007

Abstract (en)

[origin: WO7900191A1] The machine for pulling the endives and other pivoting roots comprises at least one pulling assembly mainly consisting of a frame (3) bearing a ploughshare (8), a metal disc (39) approximately vertical presenting a gap with respect to the ploughshare (18) transversally to the working direction of the ploughshare and located behind the ploughshare according to this direction, and a free spokes wheel (25, 26) placed in front of the disc (39) and driven by a motor at a higher speed than the advance speed of the machine, the disc and/or the spokes wheel being inclined with respect to the vertical so as to form a V. The disc (39) can rotate idle on its shaft or driven at a different speed from that of the spokes wheel. The pivoting root is pulled with the soil around it in an upward rotating motion, motion that rids it of the soil without damaging it.

Abstract (fr)

La machine a arracher les endives et autres racines pivotantes comporte au moins un ensemble d'arrachage constitue essentiellement d'un bati (3) portant un soc (8), un disque metallique (39) approximativement vertical presentant un ecartement par rapport au soc (18) transversalement a la direction de travail du soc et situe en arriere du soc selon cette direction, et une roue a rayons libres (25, 26) situee en face du disque (39) et entrainee par un moteur a une vitesse superieure a la vitesse d'avancement de la machine, le disque et/ou la roue a rayons etant inclines par rapport a la verticale de maniere a former un V. Le disque (39) peut etre libre en rotation sur son arbre ou entraine a une vitesse differente de celle de la roue a rayons. La racine pivotante est entrainee avec la terre qui l'entoure dans un mouvement de rotation ascensionnel qui la debarrasse de la terre sans la blesser.

IPC 1-7

A01D 25/04; **A01D 21/04**

IPC 8 full level

A01D 21/04 (2006.01); **A01D 25/04** (2006.01)

CPC (source: EP US)

A01D 21/04 (2013.01 - EP US); **A01D 25/04** (2013.01 - EP US)

Designated contracting state (EPC)

FR

DOCDB simple family (publication)

WO 7900191 A1 19790419; BE 875103 A 19790716; CH 614839 A5 19791228; EP 0008313 A1 19800305; FR 2466945 A1 19810417; GB 2025744 A 19800130; GB 2025744 B 19820407; IT 1099696 B 19850928; IT 7822969 V0 19781006; IT 7828489 A0 19781006; US 4269272 A 19810526

DOCDB simple family (application)

CH 7800028 W 19781009; BE 194223 A 19790326; CH 1228477 A 19771007; EP 78900147 A 19790424; FR 8019079 A 19800901; GB 7918651 A 19781009; IT 2296978 U 19781006; IT 2848978 A 19781006; US 4569079 A 19790605