

Title (en)
ROOT CUTTER

Publication
EP 0242313 A3 19900307 (FR)

Application
EP 87460006 A 19870407

Priority
FR 8605674 A 19860416

Abstract (en)
[origin: EP0242313A2] The root cutter comprises a cylindrical hopper (1) and a horizontal cutter-carrier plate (3) provided with openings associated with the cutters (12, 13). The plate is carried by a vertical shaft (4) above the bottom (2) of the hopper (1). Chutes (26 or 27) emerge in the lateral wall of the hopper (1) between the plate (3) and the bottom (2). The scrapers (14, 15) are suspended under the plate (3) with their lower edges practically scraping the bottom (2) of the hopper. The cutter-carrier plate (3) comprises two cutters (12, 13) as well as two scrapers (14, 15) associated with the cutters. The horizontal angle between the blade of a cutter (12) and the radial direction of the associated scraper (14) is between 100 DEG and 150 DEG . Just above the cutter-carrier plate (3) is fixed, at two diametrically opposed points of the lateral wall of the hopper (1), a stop plate (23) whose height is of the order of magnitude of the diameter of the roots to be delivered. <IMAGE>

IPC 1-7
B26D 1/29

IPC 8 full level
B26D 1/29 (2006.01); **B26D 7/06** (2006.01)

CPC (source: EP)
B26D 1/29 (2013.01); **B26D 7/06** (2013.01)

Citation (search report)
• [X] US 2805697 A 19570910 - NIELAND PAUL J
• [A] US 1799638 A 19310407 - PAULSON JOHN E
• [A] DE 368701 C 19230209 - FRANZ KONTHER

Cited by
CN110731182A; CN113183222A; EP0462887A1; US5191819A

Designated contracting state (EPC)
AT BE CH DE ES GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0242313 A2 19871021; EP 0242313 A3 19900307; FR 2597298 A1 19871023; FR 2597298 B3 19880909

DOCDB simple family (application)
EP 87460006 A 19870407; FR 8605674 A 19860416