

Title (en)

CUTTING DEVICE THAT IS SECURED ON THE HAND FOR PICKING FRUIT

Title (de)

HANDFIXIERTES PFLÜCKSCHNEIDEGERÄT

Title (fr)

APPAREIL DE COUPE FIXÉ À LA MAIN POUR LA CUEILLETTE

Publication

EP 1635627 A1 20060322 (DE)

Application

EP 03817182 A 20030825

Priority

- CH 0300575 W 20030825
- CH 10922003 A 20030623

Abstract (en)

[origin: WO2004112458A1] The invention relates to a cutting device that is secured on the hand for picking fruit, in particular for pressure-sensitive fruit. According to the invention, the connection between the scissors and the hands and fingers enables the picker to feel the surface and stalk of the fruit with his or her fingers in order to guide the scissors into the best position for cutting the stalk. The cutting element is spoon-shaped in such a way that the severed fruit stalk does not project beyond the surface of the fruit. The cutting element comprises support elements and is fixed to at least one finger using suitable fixing means. A movement of the thumb or an external energy source permits a force to be exerted on the cutting element by means of suitable force transmission means. Said cutting device prevents harvested fruit from being damaged by mutual contact during storage and permits a sufficient length of stalk to be retained on the fruit to prevent it from perishing.

IPC 1-7

A01D 46/247

IPC 8 full level

A01D 46/247 (2006.01)

CPC (source: EP KR US)

A01D 46/247 (2013.01 - EP KR US)

Citation (search report)

See references of WO 2004112458A1

Cited by

CN114248282A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004112458 A1 20041229; AU 2003250725 A1 20050104; BR 0318366 A 20060725; CN 100407890 C 20080806; CN 1791329 A 20060621; EG 24097 A 20080602; EP 1635627 A1 20060322; IL 172595 A0 20060410; JP 2007506401 A 20070322; JP 4331164 B2 20090916; KR 20060090571 A 20060814; MA 27910 A1 20060502; NZ 544184 A 20090430; TN SN05327 A1 20070710; US 2006144031 A1 20060706; ZA 200600121 B 20070328

DOCDB simple family (application)

CH 0300575 W 20030825; AU 2003250725 A 20030825; BR 0318366 A 20030825; CN 03826675 A 20030825; EG NA2005000863 A 20051224; EP 03817182 A 20030825; IL 17259505 A 20051215; JP 2005500847 A 20030825; KR 20057024479 A 20051220; MA 28724 A 20060116; NZ 54418403 A 20030825; TN SN05327 A 20051222; US 31790505 A 20051222; ZA 200600121 A 20030825