

Title (en)

Apparatus for packing christmas trees in netting covers

Title (de)

Vorrichtung zum Verpacken von Weihnachtsbäumen in Netzaabdeckungen

Title (fr)

Appareil pour emballer des arbres de Noël dans des filets

Publication

EP 2578497 A1 20130410 (EN)

Application

EP 12186796 A 20121001

Priority

DK PA201170561 A 20111005

Abstract (en)

An apparatus (4) for packing Christmas trees in netting covers, including a funnel-shaped inlet opening (6) with a device (8) for providing a tubular net around a tree which is passed through the inlet opening (6), a combined gripping and pulling device (10) adapted for seizing the root end of a Christmas tree and pulling it through the inlet opening (6) for simultaneous compressing and packing the Christmas tree in the netting cover, the apparatus (4) furthermore including a lower conveyor belt (12) for conveying the packed Christmas tree rearwardly to a pallet jack (14) with a packing unit (16) and a pallet (18) with associated side supports (20), wherein the apparatus (4) within the inlet opening (6) includes an upper conveyor belt (22) which is adapted to exert a downward directed pressure on a Christmas tree while being packed into the netting covering and supported on the lower conveyor belt (12), and wherein the packing unit (16) includes a box-shaped packing frame (24) which is adapted to be elevated from a low initial position as the packing frame (24) and the pallet (18), respectively, are filled with Christmas trees. By means of simple technical measures it is hereby possible to achieve an apparatus with improved function in connection with packing of Christmas trees in netting covers and to achieve the immediate approval of the packing unit of the apparatus by the relevant authorities.

IPC 8 full level

B65B 9/18 (2006.01); **B65B 25/02** (2006.01); **B65G 57/112** (2006.01)

CPC (source: EP)

B65B 9/18 (2013.01); **B65B 25/02** (2013.01); **B65B 63/026** (2013.01)

Citation (applicant)

- DK 174177 A 19781021
- EP 1313645 B1 20070214 - THOMSEN CLAUS [DK]
- DK 172598 B1 19990215 - CLAUS THOMSEN [DK]

Citation (search report)

- [Y] WO 0214155 A1 20020221 - THOMSEN CLAUS [DK]
- [Y] WO 9842577 A1 19981001 - THOMSEN CLAUS [DK]
- [Y] US 5148661 A 19920922 - KENNEDY JERRY L [US]
- [Y] US 2642221 A 19530616 - GEORGE OFFUTT, et al
- [Y] US 3473291 A 19691021 - RAYMOND GERALD L, et al

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

DOCDB simple family (publication)

EP 2578497 A1 20130410; **EP 2578497 B1 20150121**; DK 177271 B1 20120910; PL 2578497 T3 20150630

DOCDB simple family (application)

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