

Title (en)

METHOD AND APPARATUS FOR GRADING AND ORIENTATING ITEMS INTO PORTIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM SORTIEREN UND ORIENTIEREN EINES GEGENSTANDES ZUM BILDEN EINER GRUPPE

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE TRIER ET D'ORIENTER DES ARTICLE POUR FORMER DES PORTIONS

Publication

**EP 1169228 B1 20050914 (EN)**

Application

**EP 00903957 A 20000218**

Priority

- IS 0000001 W 20000218
- IS 4981 A 19990218

Abstract (en)

[origin: WO0048909A1] The present invention relates to methods and apparatus for grading, orientating and packaging items of elongated non-symmetrical shape. In particular the method and apparatus relate to arranging elongated items such as fish into boxes/portions according to their weight and/or size, and their orientation or after reorientation of the items. Further the invention relates to the problem of arranging items into portions according to one or more predetermined characteristics as well as arranging and directing item filled portions fulfilling the same specific criteria to a specific location and marking the portions (boxes) accordingly.

IPC 1-7

**B65B 35/56; B65G 47/24; B65G 57/08**

IPC 8 full level

**B07C 5/36** (2006.01); **B07C 5/38** (2006.01); **B65B 25/06** (2006.01); **B65B 35/56** (2006.01)

CPC (source: EP)

**B07C 5/36** (2013.01); **B07C 5/38** (2013.01); **B65B 25/061** (2013.01); **B65B 35/56** (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0048909 A1 20000824**; AT E304476 T1 20050915; AU 2570600 A 20000904; DE 60022634 D1 20051020; DK 1169228 T3 20051212; EP 1169228 A1 20020109; EP 1169228 B1 20050914; IS 6055 A 20010817; NO 20014024 D0 20010817; NO 20014024 L 20010827; NO 320521 B1 20051212

DOCDB simple family (application)

**IS 0000001 W 20000218**; AT 00903957 T 20000218; AU 2570600 A 20000218; DE 60022634 T 20000218; DK 00903957 T 20000218; EP 00903957 A 20000218; IS 6055 A 20010817; NO 20014024 A 20010817