

Title (en)

Apparatus for sizing elongated food pieces.

Title (de)

Vorrichtung zum Schneiden von Nahrungsmitteln auf Länge.

Title (fr)

Dispositif pour couper en longueurs des pièces alimentaires.

Publication

EP 0353446 B1 19941109 (EN)

Application

EP 89111380 A 19890622

Priority

US 22690388 A 19880801

Abstract (en)

[origin: EP0353446A2] Apparatus for sizing a mix of randomly sized food pieces into chunks of a predetermined maximum length. The apparatus includes a carrier drum (11) and a cutting drum (12) mounted on parallel shafts (14, 15) which are interconnected for rotation in opposing directions. The carrier drum (11) has a plurality of parallel longitudinal bars (16) mounted equidistant around the periphery of the drum, spaced apart a distance equal to the desired maximum length of the food chunks. The cutting drum (12) carries a plurality of elongated cutting blades (25) mounted parallel to the longitudinal bars (16) on the carrier drum (11) and spaced apart the same distance as the longitudinal bars (16). The drums (11, 12) are aligned so that upon rotation of the drums the blades (25) cooperate with the longitudinal bars (16) to sever elongated food pieces carried on the surface of the bars into the nip between the drums, without striking against the bars (16). A conveyor (40) mounted adjacent the carrier drum (11) delivers a mix of randomly sized food pieces onto the carrier drum (11), with the longitudinal axes of the elongated pieces in the mix being aligned so that the elongated pieces are deposited on the longitudinal bars (16) of the rotating carrier drum (11) perpendicular to the axes of the bars (16) and are carried into the nip between the counter rotating drum (12) where they are cut to a desired length.

IPC 1-7

B26D 1/62

IPC 8 full level

B26D 3/26 (2006.01); **B26D 1/40** (2006.01); **B26D 1/62** (2006.01); **B26D 7/06** (2006.01)

CPC (source: EP)

B26D 1/62 (2013.01); **B26D 7/0683** (2013.01)

Cited by

CN106671171A

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0353446 A2 19900207; **EP 0353446 A3 19910710**; **EP 0353446 B1 19941109**; AT E113890 T1 19941115; AU 3727089 A 19900201; AU 614393 B2 19910829; CA 1332693 C 19941025; DE 68919292 D1 19941215; DE 68919292 T2 19950413; ES 2063787 T3 19950116; JP H0283199 A 19900323

DOCDB simple family (application)

EP 89111380 A 19890622; AT 89111380 T 19890622; AU 3727089 A 19890630; CA 606837 A 19890727; DE 68919292 T 19890622; ES 89111380 T 19890622; JP 19445889 A 19890728