

Title (en)

APPARATUS FOR CUTTING FOOD COMPRISING A COMPACT TRANSMISSION

Title (de)

VORRICHTUNG ZUM SCHNEIDEN VON LEBENSMITTELN MIT KOMPAKTEM GETRIEBE

Title (fr)

APPAREIL DE DECOUPE D'ALIMENTS COMPORTANT UN SYSTEME DE TRANSMISSION COMPACT

Publication

**EP 2941334 B1 20170712 (FR)**

Application

**EP 13827019 A 20131219**

Priority

- FR 1262572 A 20121221
- FR 2013053184 W 20131219

Abstract (en)

[origin: WO2014096714A1] The invention relates to an appliance for cutting food, which includes: a frame (1), a chute (5) for feeding in food, a cutting tool (10) which is mobile in a straight alternating movement, and means (36) for operating the cutting tool (10), which include a transmission system (40). According to the invention, the transmission system (40) includes: an output planet gear (52) which meshes with a stationary output ring gear (51) and which supports a cylindrical conformation (54) for driving the cutting tool (10), as well as a rotatably mobile transmission plate (48) which supports an off-centre rotation shaft (53) of the output planet gear (52), the stationary output ring gear (51) having a diameter that is substantially twice the diameter of the output planet gear (52) and the distance between the rotation shaft of the output planet gear (52) and the axis of the cylindrical conformation (54) being substantially equal to the radius of the output planet gear (52), such that the cylindrical conformation (54) moves along a substantially linear path.

IPC 8 full level

**B26D 3/20** (2006.01); **B26D 3/18** (2006.01); **B26D 5/08** (2006.01); **B26D 5/14** (2006.01)

CPC (source: EP)

**B26D 3/20** (2013.01); **B26D 5/14** (2013.01); **B26D 3/185** (2013.01); **B26D 5/08** (2013.01)

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

DOCDB simple family (publication)

**FR 2999900 A1 20140627**; **FR 2999900 B1 20150227**; CN 104936752 A 20150923; CN 104936752 B 20170412; EP 2941334 A1 20151111; EP 2941334 B1 20170712; WO 2014096714 A1 20140626

DOCDB simple family (application)

**FR 1262572 A 20121221**; CN 201380067458 A 20131219; EP 13827019 A 20131219; FR 2013053184 W 20131219