

Title (en)
USE OF A MIXING DEVICE FOR CONCHING

Title (de)
VERWENDUNG EINER MISCH EINRICHTUNG ZUM CONCHIEREN

Title (fr)
UTILISATION D'UN MELANGEUR POUR CONCHER

Publication
EP 0737096 B1 19970723 (DE)

Application
EP 95903247 A 19941221

Priority
• DE 9401513 W 19941221
• DE 4344995 A 19931230

Abstract (en)
[origin: US5707145A] PCT No. PCT/DE94/01513 Sec. 371 Date Jun. 20, 1996 Sec. 102(e) Date Jun. 20, 1996 PCT Filed Dec. 21, 1994 PCT Pub. No. WO95/17951 PCT Pub. Date Jul. 6, 1995 Bulk chocolate is added into a mixing apparatus whereby a plurality of conching tools (10) is fixed together with several others, on a shaft (11). The shaft (11) is rotatably mounted in end walls (21) of a horizontal drum (12). The ends of the mixing tools (10) are located a short distance from the inside wall (18) of the drum, and the shaft (11) has a drive which turns the direction of rotation of the shaft (11), the clearance between the leading edge (19) of each tool (10) and the inside wall (18) of the drum is greater than the clearance between the trailing edge (20) of the tool and the inside wall (18) of the drum. The shaft (11) is rotated to press the bulk chocolate between a bottom wall of mixing tools (10) and the inside surface of the drum (12) whereby the bulk chocolate first enters the leading edge (19) to experience a pressing force as it travels across from the leading region to the trailing region of the mixing tool (10).

IPC 1-7
B01F 15/00

IPC 8 full level
A23G 1/16 (2006.01); **B01F 7/00** (2006.01); **B01F 7/04** (2006.01); **B01F 15/00** (2006.01)

CPC (source: EP US)
B01F 27/0726 (2022.01 - EP US)

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
US 5707145 A 19980113; DE 4344995 A1 19950706; DE 59403486 D1 19970828; EP 0737096 A1 19961016; EP 0737096 B1 19970723; EP 0737096 B2 20001227; ES 2107296 T3 19971116; JP 3019268 B2 20000313; JP H09509359 A 19970922; WO 9517951 A1 19950706

DOCDB simple family (application)
US 66309396 A 19960620; DE 4344995 A 19931230; DE 59403486 T 19941221; DE 9401513 W 19941221; EP 95903247 A 19941221; ES 95903247 T 19941221; JP 51771894 A 19941221