

Title (en)

METHOD FOR OPERATING A ROTARY TABLET PRESS AND ROTARY TABLET PRESS

Title (de)

VERFAHREN ZUM BETREIBEN EINER RUNDLÄUFER-TABLETTENPRESSE UND RUNDLÄUFER-TABLETTENPRESSE

Title (fr)

PROCÉDÉ DE FONCTIONNEMENT D'UNE PRESSE À COMPRIMÉS À PLATEAUX TOURNANTS

Publication

EP 3165355 B1 20210714 (DE)

Application

EP 16191300 A 20160929

Priority

DE 102015116565 A 20150930

Abstract (en)

[origin: US2017087789A1] The invention relates to a rotary tablet press and method of operation. The rotary tablet press includes a rotor that is rotatably driven that is coupled to a die plate with holes. Upper and lower punches are assigned to the holes and rotate synchronously with the die plate. A pressing apparatus presses the punches into the holes to press the filling material added to the holes. An ejector apparatus ejects the tablets pressed into the holes. A control apparatus automatically changes the rotary speed of one or more components in response to changes to components of the rotary tablet press and process components upstream or downstream of the rotary tablet press.

IPC 8 full level

B30B 11/08 (2006.01); **B30B 11/00** (2006.01); **B30B 15/30** (2006.01)

CPC (source: CN EP US)

B30B 11/005 (2013.01 - CN EP US); **B30B 11/08** (2013.01 - CN EP US); **B30B 15/302** (2013.01 - US); **B30B 15/304** (2013.01 - CN EP US); **B30B 15/32** (2013.01 - US)

Citation (examination)

- DE 2742572 B1 19790329 - FETTE WILHELM GMBH
- NARANG A S ET AL: "Effect of force feeder on tablet strength during compression", INTERNATIONAL JOURNAL OF PHARMACEUTICS, ELSEVIER, NL, vol. 401, no. 1-2, 30 November 2010 (2010-11-30), pages 7 - 15, XP027450377, ISSN: 0378-5173, [retrieved on 20100909], DOI: 10.1016/J.IJPHARM.2010.08.027

Citation (opposition)

Opponent : Korsch AG

- DE 4025487 A1 19920213 - KORSCH MASCHFAB [DE]
- EP 2168761 A2 20100331 - FETTE GMBH [DE]
- WO 2010128359 A1 20101111 - GEA PHARMA SYSTEMS LTD [GB], et al
- WO 03020499 A1 20030313 - COURTOY NV [BE], et al
- WO 2007132281 A1 20071122 - COURTOY NV [BE], et al
- WO 2014207510 A1 20141231 - GEA PROCESS ENGINEERING NV [BE]
- EP 1568480 A2 20050831 - FETTE GMBH [DE]
- SU 613924 A1 19780705 - LE SP K B POLIMERNOGO MASH [SU]
- ANONYMOUS: "Operating Instructions Tableting Machine XL 100 - 10 - TSMB - DMS K1510119", KORSCH AG, 2005, XP055916814
- ANONYMOUS: "System Features for XL100 PRO Tablet Press", KORSCH AG, pages 1 - 13, XP055916815
- NARANG, A.S. ; RAO, V.M. ; GUO, H. ; LU, J. ; DESAI, D.S.: "Effect of force feeder on tablet strength during compression", INTERNATIONAL JOURNAL OF PHARMACEUTICS, ELSEVIER, NL, vol. 401, no. 1-2, 30 November 2010 (2010-11-30), NL , pages 7 - 15, XP027450377, ISSN: 0378-5173, DOI: 10.1016/j.ijpharm.2010.08.027

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)

DE 102015116565 A1 20170330; **DE 102015116565 B4 20180301**; CN 106553373 A 20170405; EP 3165355 A1 20170510; EP 3165355 B1 20210714; JP 2017064786 A 20170406; JP 6389216 B2 20180912; PL 3165355 T3 20220103; US 2017087789 A1 20170330

DOCDB simple family (application)

DE 102015116565 A 20150930; CN 201610863897 A 20160929; EP 16191300 A 20160929; JP 2016186948 A 20160926; PL 16191300 T 20160929; US 201615281623 A 20160930