

Title (en)

Apparatus for the automatic preparation of a drug and respective method of preparation

Title (de)

Vorrichtung für die automatische Zubereitung eines Arzneimittels und entsprechendes Zubereitungsverfahren

Title (fr)

Appareil pour la préparation automatique d'un médicament et procédé de préparation correspondant

Publication

**EP 1997471 B2 20150225 (EN)**

Application

**EP 08157120 A 20080528**

Priority

IT UD20070093 A 20070530

Abstract (en)

[origin: EP1997471A1] An apparatus (10) for the automatic preparation of a drug consisting of at least two components comprises a first container (12) for a first component, a second container (14) for a second component, a third container (16) to receive the prepared drug, an intermediate container (27) for the preparation of the drug, connected both to the third container (16) and also, by means of valve means (34, 36) selectively openable and closable, to the first container (12) and to the second container (14). The apparatus (10) also comprises an intake/injection device (20) able to be activated in intake mode to take in dosed quantities of the first and second component inside the intermediate container (27), and activated in injection mode to transfer the prepared drug from the intermediate container (27) to the third container (16), and an electronic control unit (40) suitable to manage automatically and in a coordinated manner the selective activation of the valve means (34, 36) and the intake/injection device (20).

IPC 8 full level

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CPC (source: EP US)

**A61J 1/2096** (2013.01 - EP); **B01F 33/5011** (2022.01 - EP); **B01F 33/50112** (2022.01 - EP); **B01F 33/84** (2022.01 - EP); **B01F 35/71** (2022.01 - EP); **B01F 35/712** (2022.01 - EP US); **B01F 35/7131** (2022.01 - EP US); **B01F 35/714** (2022.01 - EP US); **B01F 35/7174** (2022.01 - EP US); **B01F 35/754251** (2022.01 - EP US); **A61J 3/002** (2013.01 - EP)

Citation (opposition)

Opponent :

- EP 1236644 A1 20020904 - PROBITAS PHARMA SA [ES], et al
- WO 2006001913 A1 20060105 - MALLINCKRODT INC [US], et al
- EP 1074222 A2 20010207 - GRIFOLS GRUPO SA [ES]
- US 6699232 B2 20040302 - HART COLIN P [US], et al

Cited by

US11007119B2; CN102430363A; NL2031054B1; NL2033305B1; EP3090721A1; EP2446875A1; CN108025271A; CN111065366A; CN104159624A; EP2793978A4; EP4218857A3; CN102724946A; CN104873389A; KR20150130465A; CN105209998A; JP2018023823A; EP3451107A1; US2020113785A1; EP3760180A3; WO2023204699A1; WO2023075600A1; WO2016010909A3; WO2012055594A1; WO2011014525A3; WO2014152457A3; US9883987B2; US10314764B2; US11439571B2; US11439570B2; US9849236B2; US11541171B2; US11590057B2; US11793722B2; WO2017050829A1; WO2019038318A1; JP2013500774A; TWI503115B; US11020541B2; US11583637B2; US11951293B2; US9475019B2; US9668940B2; US9827163B2; US9931276B2; US10314765B2; US11806308B2; USD837983S; US10188849B2; USD851745S; US10420927B2; USD874644S; USD905228S; US11135416B2; USD943732S; USD948044S; US11865295B2; USD1018849S

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