

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number
WO 2004/082661 A1

- (51) International Patent Classification⁷: **A61K 9/20**, C07D 499/00 (74) Agents: **ELKENBRACHT, Johan, Christiaan** et al.; DSM Intellectual Property, Delft Office (600-0240), P.O. Box 1, NL-2600 MA Delft (NL).
- (21) International Application Number: PCT/EP2004/002989 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 19 March 2004 (19.03.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03100732.1 21 March 2003 (21.03.2003) EP
03100731.3 21 March 2003 (21.03.2003) EP
60/456,188 21 March 2003 (21.03.2003) US
60/456,187 21 March 2003 (21.03.2003) US
- (71) Applicant (for all designated States except US): **DSM IP ASSETS B.V.** [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **GROENENDAAL, Jan, Willem** [NL/NL]; Koornmarkt 4, NL-2611 EE Delft (NL). **LEENDERTS, Everardus, Johannes, Anthonius, Maria** [NL/NL]; Nachtwaker 61, NL-3161 LL Rhoon (NL). **VAN DER DOES, Thomas** [NL/NL]; Oudhuijzerweg 34, NL-3648 AC Wilnis (NL).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CRYSTALLINE AMOXICILLIN TRIHYDRATE POWDER

(57) Abstract: The invention relates to crystalline amoxicillin trihydrate powder having a bulk density higher than 0.45 g/ml. The invention also relates to a process for preparing crystalline amoxicillin trihydrate powder, said process comprising: crystallizing amoxicillin trihydrate from a solution containing dissolved amoxicillin; separating the crystals from said solution; and drying the separated crystals, resulting in crystalline powder having a bulk density higher than 0.45 g/ml.

WO 2004/082661 A1