PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :
A61M 1/16, A61K 33/14

A1

(11) International Publication Number: WO 00/44418

(43) International Publication Date: 3 August 2000 (03.08.00)

(21) International Application Number: PCT/EP00/00130

(22) International Filing Date: 7 January 2000 (07.01.00)

(30) Priority Data:
MI99A000176 29 January 1999 (29.01.99) IT

(71) Applicant (*for all designated States except US*): BIEFFE MEDITAL, S.P.A. [IT/IT]; Via Nuovo Provinciale, Grosotto 23034, Sondrio (IT).

(72) Inventors; and
(75) Inventors/Applicants (*for US only*): MAZZA, Mario [IT/IT]; Via Besta, 12, I–23037 Tirano (IT). PESCI, Giampiero [IT/IT]; Via Vecchio Molino, 3, I–23037 Tirano (IT).

(74) Agent: DEE, Ian; Eric Potter Clarkson, Park View House, 58 the Ropewalk, Nottingham NG1 5DD (GB).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: CARTRIDGE FOR DIALYSIS CONTAINING SODIUM BICARBONATE

(57) Abstract

A cartridge (10) is provided containing sodium bicarbonate in solid form. The cartridge (10) is usable in a haemodialysis machine for continuously producing a buffer solution, which is mixed with another solution to produce a dialysis solution. The cartridge (10) also contains a solid acid or acid anhydride, or carbon dioxide gas. This has been found to overcome problems caused by a temporary high pH in the dialysis solution during the early stages of a dialysis operation.

