

01 DEC 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number
WO 2004/000374 A1

(51) International Patent Classification⁷: **A61L 24/02**,
27/12

(21) International Application Number:
PCT/CH2003/000304

(22) International Filing Date: 13 May 2003 (13.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/CH02/00332 19 June 2002 (19.06.2002) CH

(71) Applicant (for all designated States except US): **DR.
H.C. ROBERT MATHYS STIFTUNG** [CH/CH]; Bis-
chmattstrasse 12, CH-2544 Bettlach (CH).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BOHNER, Marc**
[CH/CH]; Girixweg 45, CH-5000 Aarau (CH).

(74) Agent: **LUSUARDI, Werther**; Dr. Lusuardi AG,
Kreuzbühlstrasse 8, CH-8008 Zürich (CH).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, 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, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- with amended claims

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

WO 2004/000374 A1

(54) Title: HYDRAULIC CEMENT BASED ON CALCIUM PHOSPHATE FOR SURGICAL USE

(57) Abstract: The hydraulic cement is based on calcium phosphate for surgical use. It comprises a first component comprising α -tricalcium phosphate powder particles, a second component comprising calcium sulphate dihydrate, and a third component comprising water. Furthermore the hydraulic cement does not contain more calcium sulfate hemihydrate (CSH) than 10 % of the total amount of said calcium sulphate dihydrate (CSD). This cement has the advantage that it has not a very basic component such as TTCP, consists of a limited amount of components, sets fast, and is easy to mix.



162162



ACTION