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(21) International Application Number: PCT/NL00/00019 (22) International Filing Date: 13 January 2000 (13.01.00) (30) Priority Data: 1011098 21 January 1999 (21.01.99) NL (71) Applicants (for all designated States except US): U-CAT B.V. [NL/NL]; Bernadottelaan 15, NL-3527 GA Utrecht (NL). UNIVERSITEIT UTRECHT [NL/NL]; Heidelberglaan 8, NL-3584 CS Utrecht (NL). (72) Inventors; and (75) Inventors/Applicants (for US only): GEUS, John, Wilhelm [NL/NL]; Gezichtslaan 100, NL-3723 GJ Bilthoven (NL). TABOR, Roland, Berend-Jan [NL/NL]; Tannhauserdreef 86, NL-3561 HH Utrecht (NL). SPEE, Marieke, Paulyne, Renate [NL/NL]; Hondsrug 711, NL-3524 BZ Utrecht (NL). VAN DER EERDEN, Adrianus, Maria, Jacobus [NL/NL]; Alkemaderschans 5, NL-3432 CH Nieuwegein (NL). (74) Agent: OTTEVANGERS, S., U.; Vereenigde, Nieuwe Parklaan 97, NL-2587 BN The Hague (NL).		(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 <i>With international search report.</i> <i>In English translation (filed in Dutch).</i>
(54) Title: CERAMIC COATING (57) Abstract The invention relates to non-porous, non-permeable protective ceramic layers of a thickness of less than 50 μm, preferably of a thickness of less than 5 μm and still more preferably of a thickness of less than 1 μm, which have been bonded to a substrate through an intermediary layer which contains ions of the surface to be covered, while in the case of substrates consisting of metals or alloys, the oxide of the covered material is not demonstrable with x-ray diffraction.		