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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
13 March 2003 (13.03.2003)

PCT

(10) International Publication Number
WO 03/020967 A1

(51) International Patent Classification[7]: C12Q 1/68

(21) International Application Number: PCT/EP02/09496

(22) International Filing Date: 24 August 2002 (24.08.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
01120466.6 28 August 2001 (28.08.2001) EP

(71) Applicant *(for DE only)*: **ROCHE DIAGNOSTICS GMBH** [DE/DE]; Sandhofer Strasse 116, 68305 Mannheim (DE).

(71) Applicant *(for all designated States except DE, US)*: **F.HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **WEINDEL, Kurt** [DE/DE]; Fichtenstrasse 3 b, 82407 Wielenbach-Hardt (DE). **KRAISS, Stefan** [DE/US]; 4283 Lucero Ct., Pleasanton, CA 94566 (US). **BERGMANN, Frank** [DE/DE]; Faltergatter 5, 82393 Iffeldorf (DE). **JOSEL, Hans-Peter** [DE/DE]; Ulmenstrasse 28, 82362 Weilheim (DE). **HEINDL, Dieter** [DE/DE]; Waldschmidtstrasse 1, 82327 Tutzing (DE).

(81) Designated States *(national)*: AU, BR, CN, CZ, JP, KR, MX, PL, SG, US.

(84) Designated States *(regional)*: European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR).

Declaration under Rule 4.17:
— *of inventorship (Rule 4.17(iv)) for US only*

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.

WO 03/020967 A1

(54) Title: A METHOD FOR THE DETERMINATION OF MULTIPLE ANALYTES

(57) Abstract: The present invention is directed to a method for the determination of at least 3 analytes using specific binding partners. Combinations of detectable labels are coupled to the binding partners assuring that each binding partner molecule is coupled with only one detectable label. This allows the determination of more different analytes than different labels used by not limiting the range of useable labels. The present invention is also related to kits, composition of matters and their use.