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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
16 January 2003 (16.01.2003)

PCT

(10) International Publication Number
WO 03/004704 A3

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

(21) International Application Number: PCT/NL02/00390

(22) International Filing Date: 14 June 2002 (14.06.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

01202581.3	4 July 2001 (04.07.2001)	EP
60/303,199	5 July 2001 (05.07.2001)	US

(71) Applicant *(for all designated States except US)*: **CHROMAGENICS B.V.** [NL/NL]; Plantage Muidergracht 12, NL-1018 TV Amsterdam (NL).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **OTTE, Arie, Pieter** [NL/NL]; Apkenstraat 37, NL-1447 PN Purmerend (NL). **KRUCKEBERG, Arthur, Leo** [NL/NL]; Oosterpark 50, NL-1092 AP Amsterdam (NL).

(74) Agent: **PRINS, A.W.**; Nieuwe Parklaan 97, NL-2587 BN Den Haag (NL).

(81) Designated States *(national)*: AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), 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, SD, SE, SG, SI, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, 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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
16 October 2003

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 03/004704 A3

(54) Title: METHOD OF SELECTING DNA SEQUENCE WITH TRANSCRIPTION MODULATING ACTIVITY USING A VECTOR COMPRISING AN ELEMENT WITH A GENE TRANSCRIPTION REPRESSING ACTIVITY

(57) Abstract: The invention is concerned with the systematic elucidation and identification of regulatory sequences. The invention provides among others screenings and detection methods with which regulatory sequences can be identified. The invention further provides regulatory sequences and use thereof in various fields such as, but not limited to protein production, diagnostics, transgenic plants and animals, and the therapeutic field.