2005022967

14 APR 2005

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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number
WO 2004/035782 A3

(51) International Patent Classification[7]: C12N 15/11, 15/63, 5/10, C12Q 1/68

(21) International Application Number: PCT/EP2003/011233

(22) International Filing Date: 10 October 2003 (10.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

02023283.1	17 October 2002 (17.10.2002)	EP
60/467,814	2 May 2003 (02.05.2003)	US
60/485,969	10 July 2003 (10.07.2003)	US

(71) Applicant: **ARTEMIS PHARMACEUTICALS GMBH** [DE/DE]; Neurather Ring 1, 51063 Köln (DE).

(72) Inventors: **SEIBLER, Jost**; Leipziger Platz 13, 50733 Köln (DE). **SCHWENK, Frieder**; Komradenweg 15, 50999 Köln (DE). **KÜHN, Ralf**; Hellenthaler Str. 22, 50937 Köln (DE). **KÜTER-LUKS, Birgit**; Maybachstr. 170, 50670 Köln (DE).

(74) Agents: **HELBING, Jörg** et al.; Von Kreisler Selting Werner, Postfach 10 22 41, 50462 Köln (DE).

(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, EG, 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, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, 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*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report: 21 May 2004

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.



162162



ACTION

WO 2004/035782 A3

(54) Title: SIRNA MEDIATED GENE SILENCING IN TRANSGENIC ANIMALS

(57) Abstract: The present invention relates to a process that enables constitutive and inducible gene knock down in living organisms using a short hairpin RNA expression vector integrated into the genome of the organism.