PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Novartis Animal Health US, Inc.	07/19/2010

RECEIVING PARTY DATA

Name:	Novartis AG
Street Address:	Lichtstrasse 35
City:	Basel
State/Country:	SWITZERLAND
Postal Code:	4056

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7297783

CORRESPONDENCE DATA

Fax Number: (336)387-1601

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 336-387-1601

Email: todd.sladek@novartis.com

Correspondent Name: Todd Sladek

Address Line 1: 3200 Northline Ave., Ste. 300 Novartis Animal Health US, Inc.

Address Line 4: Greenboro, NORTH CAROLINA 27408

ATTORNEY DOCKET NUMBER: PAT032879-US-PCT

NAME OF SUBMITTER: Todd Sladek

Total Attachments: 1

source=32879_NAHUS_to_NAG#page1.tif

PATENT REEL: 024706 FRAME: 0289 340 00 7297;

Case No.: PAT032879-US-PCT 1

ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which is hereby acknowledged,

Novartis Animal Health US, Inc. 3200 Northline Ave., Suite 300 Greensboro, North Carolina 27408 USA

does hereby sell, assign and transfer to **Novartis AG**, a company organized under the laws of the Swiss Confederation, of Lichtstrasse 35, 4056 Basel, Switzerland, and its successors, assigns and legal representatives, all our right, title and interest (Novartis AG hereinafter referred to as the "**ASSIGNEE**") in and to the United States patent applications set forth below, any patents issuing from said applications, and the inventions claimed in the patents:

All United States Letters Patents and Applications that claim priority from International application PCT/EP2004/001368, filed on February 13, 2004, and published as WO 2004/071387 on August 26, 2004, which claims priority from GB patent application number 0303507.8, filed February 14, 2003;

said United States Letters Patents and Applications specifically including, but not limited to, **United States** patent application ser. No. 10/543,366, and United States patent number 7,297,783, which issued from said application on November 20, 2007;

and specifically including **United States patent application ser. no. 11/924,986**, and any United States Patent issuing from said application,

to be held and enjoyed by said **ASSIGNEE**, their successors, assigns and legal representatives, to the full ends of the terms for which the patent is granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

Executed this 19 day of JULY 2010

Name:

Clint Vranian General Counsel

Novartis Animal Health US, Inc.

RECORDED: 07/19/2010

PATENT REEL: 024706 FRAME: 0290