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.	03/18/2011

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:	5994395

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: Greensboro, NORTH CAROLINA 27408

ATTORNEY DOCKET NUMBER: PAT020350-US-PCT

NAME OF SUBMITTER: Todd Sladek

Total Attachments: 1

source=Assign_20350_to_NAG#page1.tif

CH \$40.00

PATENT REEL: 025980 FRAME: 0888 Case Nos.: PAT020350-US-PCT & PAT020350-US-DIV

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

(former address: 1500 Pinecroft Road, Suite 400, Greensboro, North Carolina 27407)

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 set forth below and the inventions claimed in:

United States Patent No. 5,994,395 (Ser. No. 08/894,579), filed January 23, 1998 and issued November 30, 1999, and

United States Patent No. 6,201,012 (Ser. No. 09/399,503), filed September 20, 1999 and issued March 13, 2001,

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 18 day of March, 2011.

Todd L. Sladek Patent Attorney

Novartis Animal Health US, Inc.

PATENT REEL: 025980 FRAME: 0889

RECORDED: 03/18/2011