

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4422099

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	CONFIRMATORY PATENT RIGHTS AGREEMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	OPKO IP HOLDINGS II, INC.	07/21/2015
RECEIVING PARTY DATA		
Name:	OPKO IRELAND GLOBAL HOLDINGS, LTD.	
Street Address:	10 MARKET ST., #721	
Internal Address:	CAMANA BAY	
City:	GRAND CAYMAN	
State/Country:	CAYMAN ISLANDS	
Postal Code:	KY1-9006	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15357059
CORRESPONDENCE DATA		
Fax Number:	(312)474-0448	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Email:	anagelberg@marshallip.com	
Correspondent Name:	MARSHALL, GERSTEIN & BORUN LLP	
Address Line 1:	233 SOUTH WACKER DRIVE	
Address Line 2:	SUITE 6300	
Address Line 4:	CHICAGO, ILLINOIS 60606	
ATTORNEY DOCKET NUMBER:	31138/43351D	
NAME OF SUBMITTER:	AUDREY NAGELBERG	
SIGNATURE:	/Audrey Nagelberg/	
DATE SIGNED:	05/19/2017	
Total Attachments: 14		
source=OPKO Ireland - Confirmatory Patent Rights Agrmnt (OPKO IP Holdings II)#page1.tif		
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CONFIRMATORY PATENT RIGHTS AGREEMENT

This confirmatory patent rights agreement ("**Agreement**"), effective as July 21, 2015 ("**Effective Date**"), is by and between OPKO IP Holdings II, Inc. and OPKO Ireland Global Holdings, Ltd.

WHEREAS, OPKO IP Holdings II, Inc. was the owner of Patent Rights (defined below), including certain Patent Rights listed in Exhibit A that were solely owned by OPKO IP Holdings II, Inc. and listed in Exhibits B, C and D that were co-owned, respectively, with Johns Hopkins University, Proventiv Therapeutics, LLC and OPKO Renal, LLC;

WHEREAS, OPKO IP Holdings II, Inc. dissolved on December 20, 2014, which resulted in the distribution of all of OPKO IP Holdings II, Inc. assets, including the Patent Rights, to its sole shareholder, OPKO Ireland Global Holdings Ltd.; OPKO IP Holdings II, Inc. was struck from the Companies register on March 31, 2015;

WHEREAS, OPKO IP Holdings II, Inc. and OPKO Ireland Global Holdings, Ltd., affiliates of their ultimate parent OPKO Health Inc. would like to memorialize the transfer of the Patent Rights that occurred in the prior transactions ("**Events**") through this Agreement.

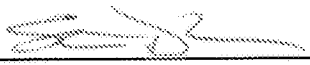
NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby agreed, OPKO IP Holdings II, Inc. hereby agrees:

1. OPKO IP Holdings II, Inc. acknowledges and agrees that the Events resulted in OPKO Ireland Global Holdings, Ltd.'s ownership of all right, title and interest in and to the patents and patent applications listed in Exhibits A-D; all United States, PCT and foreign patent applications claiming priority thereto; all continuations, continuations-in-parts and divisionals of any of the foregoing; patents issuing on any of the foregoing; and reissues, reexaminations, term extensions and supplementary protection certificates of any of the foregoing, together with all rights and privileges granted and secured thereby, including the full right of priority, the right to claim priority and the right sue for past, present and/or future infringement and/or misappropriation of any of the foregoing (collectively, the "**Patent Rights**").
2. The terms and covenants of this Agreement shall inure to the benefit of OPKO Ireland Global Holdings, Ltd., its successors and assigns and other legal representatives, and shall be binding upon OPKO IP Holdings II, Inc., its successors, legal representatives and assigns.

IN WITNESS WHEREOF, the parties have caused this valid and binding agreement to be effective as of the Effective Date.

OPKO IP HOLDINGS II, INC.

by its successor, OPKO IRELAND GLOBAL HOLDINGS, LTD.

By: 
Name: Steven D. Rubin
Title: Director, OPKO Ireland Global Holdings, Inc.
Date: 7/21/15

Accepted by, OPKO IRELAND GLOBAL HOLDINGS, LTD.

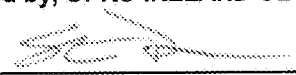
By: 
Name: Steven D. Rubin
Title: Director, OPKO Ireland Global Holdings, Inc.
Date: 7/21/15

Exhibit A**Patents Owned Solely by OPKO IP Holdings II, Inc.**

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
AUSTRALIA	WISNIEWSKI ET AL.	A RETINOIC ACID METABOLIZING CYTOCHROME P450	2002302253	23-May-02		
CANADA	WISNIEWSKI ET AL.	A RETINOIC ACID METABOLIZING CYTOCHROME P450	2448933	23-May-02	2448933	15-May-12
EUROPEAN PATENT OFFICE	WISNIEWSKI ET AL.	A RETINOIC ACID METABOLIZING CYTOCHROME P450	2729713.4	23-May-02		
INDIA	WISNIEWSKI ET AL.	A RETINOIC ACID METABOLIZING CYTOCHROME P450	1974/DELNP	23-May-02		
JAPAN	WISNIEWSKI ET AL.	A RETINOIC ACID METABOLIZING CYTOCHROME P450	2002592495	23-May-02		
PATENT COOPERATION TREATY	WISNIEWSKI ET AL.	A RETINOIC ACID METABOLIZING CYTOCHROME P450	CA02/00758	23-May-02		
UNITED STATES	WISNIEWSKI ET AL.	RETINOIC ACID METABOLIZING CYTOCHROME P450	10/477526	16-Aug-04	7335756	26-Feb-08
CANADA	WHITE ET AL.	P450RAI-2(P450 CYTOCHROME 26B),ENCODINGNUCLEIC ACID MOLECULES AND METHODS AND USES THEREOF	2431640	17-Dec-01		
UNITED STATES	WHITE ET AL.	P450RAI-2(P450 CYTOCHROME 26B),ENCODINGNUCLEIC ACID MOLECULES AND METHODS AND USES THEREOF	10/433485	13-Nov-03	7115558	3-Oct-06
AUSTRALIA	JONES ET AL.	A THYMUS EXPRESSED HUMAN CYTOCHROME P450(P450TEC)	2001250216	20-Apr-01		
EUROPEAN PATENT OFFICE	JONES ET AL.	A THYMUS EXPRESSED HUMAN CYTOCHROME P450(P450TEC)	1923443.4	20-Apr-01		
JAPAN	JONES ET AL.	A THYMUS EXPRESSED HUMAN CYTOCHROME P450(P450TEC)	2001578656	20-Apr-01		
MEXICO	JONES ET AL.	A THYMUS EXPRESSED HUMAN CYTOCHROME P450(P450TEC)	2002010267	20-Apr-01		
PATENT COOPERATION TREATY	JONES ET AL.	A THYMUS EXPRESSED HUMAN CYTOCHROME P450 (P450TEC)	CA01/00547	20-Apr-01		
UNITED STATES	JONES ET AL.	THYMUS EXPRESSED HUMAN CYTOCHROME P450(P450TEC)	10/257378	4-Apr-03		
CANADA	ZHANG ET AL.	STABLE CYTOCHROME P450 24 (CYP24) EXPRESSING CELL LINE AND METHODS AND USES THEREOF	2484244	2-May-03		
PATENT COOPERATION TREATY	ZHANG ET AL.	STABLE CYTOCHROME P450 24 (CYP24) EXPRESSING CELL LINE AND METHODS AND USES THEREOF	CA03/00620	2-May-03		
UNITED STATES	ZHANG ET AL.	STABLE CYTOCHROME P450 24 (CYP24) EXPRESSING CELL LINE AND METHODS AND USES THEREOF	10/513302	3-Oct-05	7288407	30-Oct-07
CANADA	CHUANG ET AL.	CYTOCHROME P450 24 (CYP24) MONOCLONAL ANTIBODY AND METHODS AND USES THEREOF	2494572	17-Dec-04		
UNITED STATES	CHUANG ET AL.	CYTOCHROME P450 24 (CYP24) MONOCLONAL ANTIBODY AND METHODS AND USES THEREOF	11/013435	17-Dec-04	7427670	23-Sep-08
CANADA	WHITE ET AL.	CYTOCHROME P450RAI-2 AND RELATED PROTEINS	2396511	15-Dec-00		
PATENT COOPERATION TREATY	WHITE ET AL.	CYTOCHROME P450RAI-2 AND RELATED PROTEINS	CA00/01493	15-Dec-00		
PATENT COOPERATION TREATY	WISNIEWSKI, J.	CLONING AND CHARACTERIZATION OF A NOVELHUMAN CYTOCHROME P450, CYP 27C1, AND A HYBRID HOMOLOG FROM XENOPUS LEAVIS	CA02/00163	11-Feb-02		
UNITED STATES	WISNIEWSKI, J.	CLONING AND CHARACTERIZATION OF A NOVELHUMAN CYTOCHROME P450, CYP 27C1, AND A HYBRID HOMOLOG FROM XENOPUS LEAVIS	60/267410	9-Feb-01		
UNITED STATES	COOK ET AL.	COMPOSITIONS AND METHODS FOR TREATING HYPERPHOSPHATEMIA IN HUMANS	60/862876	25-Oct-06		
UNITED STATES	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	60/913849	25-Apr-07		

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
UNITED STATES	SAHA, U.	PROCESS FOR PRODUCING PHOSPHINEOXIDE VITAMIN D PRECURSORS	60/940866	30-May-07		
UNITED STATES	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 AND METHOD OF MAKING SAME	61/036021	12-Mar-08		
UNITED STATES	PETKOVICH ET AL.	METHODS AND COMPOSITIONS FOR MEASURING THE AMOUNT OF VITAMIN D DERIVATIVES	61/175919	6-May-09		
UNITED STATES	SAHA, U.	METHOD FOR SYNTHESIZING VITAMIN D ANALOGS	61/118030	26-Nov-08		
UNITED STATES	SAHA ET AL.	PHOSPHATE MANAGEMENT WITH SMALL MOLECULES	61/147348	26-Jan-09		
UNITED STATES	WISNIEWSKI ET AL.	RETINOIC ACID METABOLIZING CYTOCHROME P450	60/292531	23-May-01		
PATENT COOPERATION TREATY	WHITE ET AL.	P450RAI-2(P450 CYTOCHROME 26B), ENCODING NUCLEIC ACID MOLECULES AND METHODS AND USES THEREOF	CA01/01805	17-Dec-01		
UNITED STATES	WHITE ET AL.	P450RAI-2 (P450 CYTOCHROME 26B), ENCODING NUCLEIC ACID MOLECULES AND METHODS AND USES THEREOF	11/498250	3-Aug-06	7579329	25-Aug-09
UNITED STATES	WHITE ET AL.	P450RAI-2 (P450 CYTOCHROME 26B), ENCODING NUCLEIC ACID MOLECULES AND METHODS AND USES THEREOF	12/546450	24-Aug-09		
UNITED STATES	JONES ET AL.	HUMAN CYTOCHROME P450TEC	60/198617	20-Apr-00		
UNITED STATES	JONES ET AL.	HUMAN CYTOCHROME P450TEC	60/208785	1-Jun-00		
UNITED STATES	ZHANG ET AL.	CYP24 STABLE CELL LINE FOR DRUG SCREENING	60/376806	2-May-02		
UNITED STATES	CHUANG ET AL.	CYTOCHROME P450 24 (CYP24) MONOCLONAL ANTIBODY AND METHODS AND USES THEREOF	60/530604	19-Dec-03		
UNITED STATES	WHITE ET AL.	P450RAI-2 AND RELATED PROTEINS	60/171110	16-Dec-99		
UNITED STATES	WHITE ET AL.	IDENTIFICATION OF THE HUMAN CYTOCHROME P450, P450RAI-2 WHICH IS PREDOMINANTLY EXPRESSED IN THE ADULT CEREBELLUM AND	60/178314	27-Jan-00		
AUSTRIA	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
BELGIUM	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
BULGARIA	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
CANADA	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	2683628	25-Apr-08		
CHINA	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	200880013367.X	25-Apr-08	200880013367.X	20-Aug-14
CZECH REPUBLIC	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
DENMARK	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
EUROPEAN PATENT OFFICE	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
FINLAND	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
FRANCE	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
GERMANY	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
GREAT BRITAIN	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
GREECE	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
HUNGARY	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
IRELAND	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
ITALY	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
JAPAN	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	2010-504912	25-Apr-08	5444212	27-Dec-13
LUXEMBOURG	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
NETHERLANDS	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
NORWAY	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
PATENT COOPERATION TREATY	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	IB08/03480	25-Apr-08		
POLAND	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
PORTUGAL	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
ROMANIA	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
SLOVAK REPUBLIC	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
SOUTH KOREA	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	10-2009-7024309	25-Apr-08		
SPAIN	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
SWEDEN	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
SWITZERLAND	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
TURKEY	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	8837933.4	25-Apr-08	2148684	16-Jan-13
UNITED STATES	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	12/597230	24-Dec-09		
JAPAN	PETKOVICH ET AL.	METHOD OF TREATING VITAMIN D INSUFFICIENCY AND DEFICIENCY	2013-264004	25-Apr-08		
CANADA	SAHA, U.	PROCESS FOR PRODUCING PHOSPHINE OXIDE VITAMIN D PRECURSORS	2688083	23-May-08		
CHINA	SAHA, U.	PROCESS FOR PRODUCING PHOSPHINE OXIDE VITAMIN D PRECURSORS	200880018041.6	23-May-08		
EUROPEAN PATENT OFFICE	SAHA, U.	PROCESS FOR PRODUCING PHOSPHINE OXIDE VITAMIN D PRECURSORS	8762721.2	23-May-08		
INDIA	SAHA, U.	PROCESS FOR PRODUCING PHOSPHINE OXIDE VITAMIN D PRECURSORS	7657/CHENP/2009	23-May-08		
JAPAN	SAHA, U.	PROCESS FOR PRODUCING PHOSPHINE OXIDE VITAMIN D PRECURSORS	2010-509907	23-May-08	5480131	21-Feb-14
PATENT COOPERATION TREATY	SAHA, U.	PROCESS FOR PRODUCING PHOSPHINE OXIDE VITAMIN D PRECURSORS	IB08/01321	23-May-08		
UNITED STATES	SAHA, U.	PROCESS FOR PRODUCING PHOSPHINE OXIDE VITAMIN D PRECURSORS	12/128992	29-May-08	8039676	18-Oct-11
CANADA	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	2718238	12-Mar-09		
CHINA	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	200980112429.7	12-Mar-09		
EUROPEAN PATENT OFFICE	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	9720292.3	12-Mar-09		
HONG KONG	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	11104112.2	12-Mar-09		
JAPAN	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	2010-550007	12-Mar-09	5492099	7-Mar-14
PATENT COOPERATION TREATY	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	CA09/00291	12-Mar-09		
UNITED STATES	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	12/403271	12-Mar-09		
CHINA	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	201510088627.1	12-Mar-09		
JAPAN	SAHA, U.	STABILIZED 1, 25-DIHYDROXYVITAMIN D2 AND METHOD OF MAKING SAME	2014-003444	12-Mar-09		
UNITED STATES	SAHA, U.	STABILIZED 1,25-DIHYDROXYVITAMIN D2 ANDMETHOD OF MAKING SAME	14/146397	2-Jan-14		
EUROPEAN PATENT OFFICE	PETKOVICH ET AL.	METHODS AND COMPOSITION FOR MEASURING THE AMOUNT OF VITAMIN D DERIVATIVES	10740698.5	3-May-10		
PATENT COOPERATION TREATY	PETKOVICH ET AL.	METHODS AND COMPOSITION FOR MEASURING THE AMOUNT OF VITAMIN D DERIVATIVES	IB10/01123	3-May-10		

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
UNITED STATES	PETKOVICH ET AL.	METHODS AND COMPOSITION FOR MEASURING THE AMOUNT OF VITAMIN D DERIVATIVES	13/318442	21-Dec-11	8574862	5-Nov-13
UNITED STATES	PETKOVICH ET AL.	METHODS AND COMPOSITION FOR MEASURING THE AMOUNT OF VITAMIN D DERIVATIVES	14/049692	9-Oct-13		
CANADA	SAHA, U.	METHOD FOR SYNTHESIZING VITAMIN D ANALOGS	2744591	25-Nov-09		
CHINA	SAHA, U.	METHOD FOR SYNTHESIZING VITAMIN D ANALOGS	200980152913.2	25-Nov-09		
EUROPEAN PATENT OFFICE	SAHA, U.	METHOD FOR SYNTHESIZING VITAMIN D ANALOGS	9828488.8	25-Nov-09		
INDIA	SAHA, U.	METHOD FOR SYNTHESIZING VITAMIN D ANALOGS	4382/CHENP/2011	25-Nov-09		
JAPAN	SAHA, U.	METHOD FOR SYNTHESIZING VITAMIN D ANALOGS	2011-537801	25-Nov-09		
PATENT COOPERATION TREATY	SAHA, U.	METHOD FOR SYSTHESIZING VITAMIN D ANALOGS	CA09/01687	25-Nov-09		
UNITED STATES	SAHA, U.	METHOD FOR SYNTHESIZING VITAMIN D ANALOGS	13/131176	19-Jul-11		
CANADA	SAHA ET AL.	PHOSPHATE MANAGEMENT WITH SMALL MOLECULES	2746832	26-Jan-10		
EUROPEAN PATENT OFFICE	SAHA ET AL.	PHOSPHATE MANAGEMENT WITH SMALL MOLECULES	10733188.6	26-Jan-10		
HONG KONG	SAHA ET AL.	PHOSPHATE MANAGEMENT WITH SMALL MOLECULES	12105315.3	26-Jan-10		
JAPAN	SAHA ET AL.	PHOSPHATE MANAGEMENT WITH SMALL MOLECULES	2011-546558	26-Jan-10		
PATENT COOPERATION TREATY	SAHA ET AL.	PHOSPHATE MANAGEMENT WITH SMALL MOLECULES	PCT/CA10/00111	26-Jan-10		
UNITED STATES	SAHA ET AL.	PHOSPHATE MANAGEMENT WITH SMALL MOLECULES	13/146217	19-Oct-11		
UNITED STATES	BISHOP, C.	METHODS AND COMPOSITIONS FOR CONTROLLED RELEASE ORAL DOSAGE OF A 25-HYDROXYVITAMIN D COMPOUND	61/405196	20-Oct-10		
ARGENTINA	WHITE ET AL.	STABILIZED MODIFIED RELEASE VITAMIN D FORMULATION AND METHOD OF ADMINISTERING SAME	20140101199	17-Mar-14		
PATENT COOPERATION TREATY	WHITE ET AL.	STABILIZED MODIFIED RELEASE VITAMIN D FORMULATION AND METHOD OF ADMINISTERING SAME	PCT/US14/28132	14-Mar-14		
SOUTH KOREA	WHITE ET AL.	STABILIZED MODIFIED RELEASE VITAMIN D FORMULATION AND METHOD OF ADMINISTERING SAME	10-2014-0026781	6-Mar-14		
TAIWAN	WHITE ET AL.	STABILIZED MODIFIED RELEASE VITAMIN D FORMULATION AND METHOD OF ADMINISTERING SAME	103109780	14-Mar-14		
UNITED STATES	WHITE ET AL.	STABILIZED MODIFIED RELEASE VITAMIN D FORMULATION AND METHOD OF ADMINISTERING SAME	14/213285	14-Mar-14		
SOUTH KOREA	WHITE ET AL.	STABILIZED MODIFIED RELEASE VITAMIN D FORMULATION AND METHOD OF ADMINISTERING SAME	10-2014-0151051	6-Mar-14		

Exhibit B**Patents Owned Jointly by OPKO IP Holdings II, Inc. and Johns Hopkins University**

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
CANADA	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	2488334	13-Jun-03	2488334	7-Dec-10
EUROPEAN PATENT OFFICE	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
FRANCE	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
GERMANY	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	60339898	1-Feb-12
GREAT BRITAIN	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
IRELAND	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
ITALY	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
JAPAN	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	2E+09	13-Jun-03	4490262	9-Apr-10
LUXEMBOURG	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
MONACO	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
PATENT COOPERATION TREATY	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	CA03/00851	13-Jun-03		
SPAIN	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
SWITZERLAND	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	3727105	13-Jun-03	1511725	1-Feb-12
UNITED STATES	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	10/460656	13-Jun-03	7101865	5-Sep-06
CANADA	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2458415	22-Aug-02	2458415	21-Sep-10
EUROPEAN PATENT OFFICE	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2752925	22-Aug-02	1419143	15-Apr-09
FRANCE	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2752925	22-Aug-02	1419143	15-Apr-09
GERMANY	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2752925	22-Aug-02	60231987	15-Apr-09
GREAT BRITAIN	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2752925	22-Aug-02	1419143	15-Apr-09
ITALY	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2752925	22-Aug-02	1419143	15-Apr-09
JAPAN	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2E+09	22-Aug-02		
PATENT COOPERATION TREATY	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	CA02/01294	22-Aug-02		
SWITZERLAND	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2752925	22-Aug-02	1419143	15-Apr-09
UNITED STATES	POSNER ET AL.	24-ARYL SULFONE ANALOGS OF 1ALPHA, 25- DIHYDROXY VITAMIN D3	60/328429	12-Oct-01		
AUSTRIA	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
BELGIUM	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
CANADA	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2463505	11-Oct-02	2463505	12-Jul-11
CYPRUS	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
DENMARK	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
EUROPEAN PATENT OFFICE	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
FINLAND	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
FRANCE	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
GERMANY	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	60219656	18-Apr-07
GREAT BRITAIN	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
GREECE	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	3061793	18-Apr-07
IRELAND	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
ITALY	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
JAPAN	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2003-534384	11-Oct-02	4436674	8-Jan-10
LUXEMBOURG	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
MONACO	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
NETHERLANDS	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
PATENT COOPERATION TREATY	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	CA02/01519	11-Oct-02		
PORTUGAL	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
SPAIN	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
SWEDEN	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
SWITZERLAND	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	2767011	11-Oct-02	1436257	18-Apr-07
UNITED STATES	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	10/270158	15-Oct-02	6982258	3-Jan-06
CANADA	POSNER ET AL.	25-SO2-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXYVITAMIN D3	2510228	18-Dec-03	2510228	30-Oct-12
PATENT COOPERATION TREATY	POSNER ET AL.	25-SO2-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXYVITAMIN D3 (CALCITRIOL)	CA03/01926	18-Dec-03		
UNITED STATES	POSNER ET AL.	25-SO2-SUBSTITUTED ANALOGS OF 1MU,25-DIHYDROXYVITAMIN D3	10/738248	18-Dec-03	8106035	31-Jan-12
UNITED STATES	POSNER ET AL.	1ALPHA,25-DIHYDROXYVITAMIN D3 ANALGOS	60/527754	9-Dec-03		
UNITED STATES	POSNER ET AL.	1-DEOXY ANALOGS OF 1,25-DIHYDROXYVITAMIN D3 COMPOUNDS	61/294741	13-Jan-10		
UNITED STATES	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	11/442148	30-May-06	7973024	5-Jul-11
UNITED STATES	POSNER ET AL.	24-SULFOXIMINE VITAMIN D3 COMPOUNDS	60/387904	13-Jun-02		
UNITED STATES	POSNER ET AL.	24-ARYL SULFONE ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	60/387931	13-Jun-02		
UNITED STATES	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	10/225475	22-Aug-02		
UNITED STATES	POSNER ET AL.	24-SULFUR-SUBSTITUTED ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	10/612302	3-Jul-03	7166585	23-Jan-07
UNITED STATES	POSNER ET AL.	LOW-CALCEMIC OXIME ANALOGS OF 1ALPHA, 25-DIHYDROXY VITAMIN D3	60/328428	12-Oct-01		
UNITED STATES	SAHA ET AL.	LOW-CALCEMIC 16, 23-DIENE 25-OXIME ANALOGS OF 1ALPHA,25-DIHYDROXY VITAMIN D3	60/674282	25-Apr-05		
CANADA	SAHA ET AL.	LOW-CALCEMIC 16,23-DIENE 25-OXIME ANALOGS OF 1ALPHA,25-DIHYDROXY VITAMIN D3	2605815	25-Apr-06		
EUROPEAN PATENT OFFICE	SAHA ET AL.	LOW-CALCEMIC 16,23-DIENE 25-OXIME ANALOGS OF 1ALPHA,25-DIHYDROXY VITAMIN D3	6721850	25-Apr-06		
JAPAN	SAHA ET AL.	LOW-CALCEMIC 16,23-DIENE 25-OXIME ANALOGS OF 1ALPHA,25-DIHYDROXY VITAMIN D3	2008-508035	25-Apr-06	5449767	10-Jan-14
PATENT COOPERATION TREATY	SAHA ET AL.	LOW-CALCEMIC 16,23-DIENE 25-OXIME ANALOGS OF 1ALPHA,25-DIHYDROXY VITAMIN D3	CA06/00657	25-Apr-06		
UNITED STATES	SAHA ET AL.	LOW-CALCEMIC 16, 23-DIENE 25-OXIME ANALOGS OF 1ALPHA,25-DIHYDROXY VITAMIN D3	11/912395	11-Nov-08	8906888	9-Dec-14
EUROPEAN PATENT OFFICE	POSNER ET AL.	1-DEOXY ANALOGS OF VITAMIN D-RELATED COMPOUNDS	11702880.3	13-Jan-11		
JAPAN	POSNER ET AL.	1-DEOXY ANALOGS OF VITAMIN D-RELATED	2012-549078	13-Jan-11		

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
		COMPOUNDS				
PATENT COOPERATION TREATY	POSNER ET AL.	1-DEOXY ANALOGS OF VITAMIN D-RELATED COMPOUNDS	PCT/US11/21129	13-Jan-11		
UNITED STATES	POSNER ET AL.	1-DEOXY ANALOGS OF 1,25- DIHYDROXYVITAMIN D3 COMPOUNDS	13/521980	5-Mar-13		

Exhibit C**Patents Owned Jointly by OPKO IP Holdings II, Inc. and Proventiv Therapeutics, LLC**

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
UNITED STATES	BISHOP ET AL.	METHODS AND COMPOUNDS FOR VITAMIN D THERAPY	60/913848	25-Apr-07		
UNITED STATES	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM	60/815148	21-Jun-06		
UNITED STATES	PETKOVICH ET AL.	METHODS OF DIAGNOSING VITAMIN D DEFICIENCY, SUSCEPTIBILITY THERETO, TREATMENT THEREOF, AND PREVENTION	61/041898	2-Apr-08		
UNITED STATES	TABASH ET AL.	METHODS AND COMPOSITIONS FOR ADMINISTRATION OF A VITAMIN D COMPOUND	61/318741	29-Mar-10		
CANADA	PETKOVICH ET AL.	METHODS AND COMPOUNDS FOR VITAMIN D THERAPY	2684778	25-Apr-08		
EUROPEAN PATENT OFFICE	PETKOVICH ET AL.	METHODS AND COMPOUNDS FOR VITAMIN D THERAPY	8746915	25-Apr-08		
JAPAN	PETKOVICH ET AL.	METHODS AND COMPOUNDS FOR VITAMIN D THERAPY	2010-506521	25-Apr-08	5647516	14-Nov-14
PATENT COOPERATION TREATY	PETKOVICH ET AL.	METHODS AND COMPOUNDS FOR VITAMIN D THERAPY	US08/61586	25-Apr-08		
UNITED STATES	PETKOVICH ET AL.	METHODS AND COMPOUNDS FOR VITAMIN D THERAPY	12/597224	16-Apr-10	8592401	26-Nov-13
UNITED STATES	BISHOP ET AL.	METHODS AND COMPOSITIONS FOR CONTROLLED RELEASE ORAL DOSAGE OF VITAMIN D COMPOUND	60/913853	25-Apr-07		
AUSTRIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
BELGIUM	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
BULGARIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
CANADA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	2683997	25-Apr-08		
CHINA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	200880013357.6	25-Apr-08		
CYPRUS	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
CZECH REPUBLIC	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
DENMARK	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
ESTONIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
EUROPEAN PATENT OFFICE	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
FINLAND	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
FRANCE	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
GERMANY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	602008020790	12-Dec-12
GREAT BRITAIN	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
GREECE	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
HONG KONG	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	10108649	25-Apr-08		
HUNGARY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
IRELAND	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
ITALY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
JAPAN	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	2010-506520	25-Apr-08	5501956	20-Mar-14
LATVIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
LITHUANIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
LUXEMBOURG	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
MALTA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
MONACO	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
NETHERLANDS	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
NORWAY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
PATENT COOPERATION TREATY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	PCT/US08/61579	25-Apr-08		
POLAND	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
PORTUGAL	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
ROMANIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
SLOVAK REPUBLIC	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
SLOVENIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
SOUTH KOREA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	10-2009-7024328	25-Apr-08		
SPAIN	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
SWEDEN	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
SWITZERLAND	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	8746909	25-Apr-08	2148661	12-Dec-12
TURKEY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS	8746909	25-Apr-08	2148661	12-Dec-12

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
		COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER				
UNITED STATES	BISHOP ET AL.	METHODS AND COMPOSITIONS FOR CONTROLLED RELEASE ORAL DOSAGE OF A VITAMIN D COMPOUND	12/109983	25-Apr-08	8361488	29-Jan-13
HONG KONG	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	13101470.2	25-Apr-08	HK1174538	7-Nov-14
JAPAN	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	2013-241875	25-Apr-08		
SOUTH KOREA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	10-2014-7030441	25-Apr-08		
UNITED STATES	TABASH ET AL.	METHOD FOR TREATING SECONDARY HYPERPARATHYROIDISM IN CKD	13/244945	26-Sep-11	8207149	26-Jun-12
HONG KONG	BISHOP ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	15101345.3	25-Apr-08		
UNITED STATES	BISHOP ET AL.	METHODS FOR CONTROLLED RELEASE ORAL DOSAGE OF A VITAMIN D COMPOUND	13/746982	22-Jan-13	8778373	15-Jul-14
CANADA	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM WITH VITAMIN D REPLETION AND VITAMIN D	2655499	21-Jun-07		
EUROPEAN PATENT OFFICE	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM	7840277	21-Jun-07	2037936	11-Jun-14
HONG KONG	BISHOP ET AL.	THERAPY USING VITAMIN D REPLETION AGENT AND VITAMIN D HORMONE REPLACEMENT AGENT	14106696.8	21-Jun-07		
JAPAN	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM	2009-516725	21-Jun-07	5563296	20-Jun-14
PATENT COOPERATION TREATY	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM	US07/71791	21-Jun-07		
UNITED STATES	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM	12/305572	2-Mar-09	8329677	11-Dec-12
EUROPEAN PATENT OFFICE	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM	13177274.1	21-Jun-07		
HONG KONG	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM		21-Jun-07		
JAPAN	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM	2014-031369	21-Jun-07		
UNITED STATES	BISHOP ET AL.	METHOD OF TREATING AND PREVENTING SECONDARY HYPERPARATHYROIDISM	13/680997	19-Nov-12		
UNITED STATES	PETKOVICH ET AL.	METHODS OF DIAGNOSING VITAMIN D DEFICIENCY, SUSCEPTIBILITY THERETO, TREATMENT THEREOF, AND PREVENTION	61/161292	18-Mar-09		
CANADA	PETKOVICH ET AL.	METHODS, COMPOSITIONS, USES, AND KITS USEFUL FOR VITAMIN D DEFICIENCY AND RELATED DISORDERS	2714996	2-Apr-09		
CHINA	PETKOVICH ET AL.	METHODS, COMPOSITIONS, USES, AND KITS USEFUL FOR VITAMIN D DEFICIENCY AND RELATED DISORDERS	200980120404.1	2-Apr-09		
EUROPEAN PATENT OFFICE	PETKOVICH ET AL.	METHODS, COMPOSITIONS, USES, AND KITS USEFUL FOR VITAMIN D DEFICIENCY AND RELATED DISORDERS	9729008	2-Apr-09		
HONG KONG	PETKOVICH ET AL.	METHODS, COMPOSITIONS, USES, AND KITS USEFUL FOR VITAMIN D DEFICIENCY AND RELATED DISORDERS	11111064	2-Apr-09		
PATENT COOPERATION TREATY	PETKOVICH ET AL.	METHODS, COMPOSITIONS, USES, AND KITS USEFUL FOR VITAMIN D DEFICIENCY AND RELATED DISORDERS	US09/39355	2-Apr-09		
SOUTH KOREA	PETKOVICH ET AL.	METHODS, COMPOSITIONS, USES, AND KITS USEFUL FOR VITAMIN D DEFICIENCY AND RELATED DISORDERS	10-2010-7024664	2-Apr-09		
CANADA	BISHOP ET AL.	METHODS AND COMPOSITIONS FOR REDUCING PARATHYROID LEVELS	2797537	29-Mar-11		
CHINA	BISHOP ET AL.	METHODS AND COMPOSITIONS FOR REDUCING PARATHYROID LEVELS	201180024227.4	29-Mar-11		
EUROPEAN	BISHOP ET AL.	METHODS AND COMPOSITIONS FOR REDUCING	11763340	29-Mar-11		

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
PATENT OFFICE		PARATHYROID LEVELS				
HONG KONG	BISHOP ET AL.	METHODS AND COMPOSITIONS FOR REDUCING PARATHYROID LEVELS	13111471	29-Mar-11		
PATENT COOPERATION TREATY	BISHOP ET AL.	METHODS AND COMPOSITIONS FOR REDUCING PARATHYROID LEVELS	PCT/US11/30404	29-Mar-11		
SOUTH KOREA	BISHOP ET AL.	METHODS AND COMPOSITIONS FOR REDUCING PARATHYROID LEVELS	10-2012-7028117	29-Mar-11		
UNITED STATES	MESSNER ET AL.	METHODS AND COMPOSITIONS FOR REDUCING PARATHYROID LEVELS	13/638845	12-Feb-13		

Exhibit D**Patents Owned Jointly by OPKO IP Holdings II, Inc. and OPKO Renal, LLC**

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
AUSTRIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
BELGIUM	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
BULGARIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
CHINA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	201510005755.5	25-Apr-08		
CYPRUS	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
CZECH REPUBLIC	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
DENMARK	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
ESTONIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
EUROPEAN PATENT OFFICE	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
FINLAND	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
FRANCE	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
GERMANY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	602008032921.6	18-Jun-14
GREAT BRITAIN	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
GREECE	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
HUNGARY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
IRELAND	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
ITALY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
LATVIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
LITHUANIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
LUXEMBOURG	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
MONACO	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14

Country	Inventor	Title	Appl No	Filed	Patent No	Granted
NETHERLANDS	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
NORWAY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
POLAND	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
PORTUGAL	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
ROMANIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
SLOVAK REPUBLIC	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
SLOVENIA	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
SPAIN	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
SWEDEN	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
SWITZERLAND	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
TURKEY	TABASH ET AL.	ORAL CONTROLLED RELEASE COMPOSITIONS COMPRISING VITAMIN D COMPOUND AND WAXY CARRIER	12154574	25-Apr-08	2481400	18-Jun-14
UNITED STATES	PETKOVICH ET AL.	METHODS USEFUL FOR VITAMIN D DEFICIENCYAND RELATED DISORDERS	12/935139	12-Nov-10	8962239	24-Feb-15