

List of Publications

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Patents

#	Title	Publication number	Inventor(s)	Applicant(s)	Technology	Drug
1	PHARMACEUTICAL COMPOSITIONS, DOSAGE FORMS AND NEW FORMS OF THE COMPOUND OF FORMULA (I), AND METHODS OF USE THEREOF	US20100419567P	MEIER ULRICH [CH] BIERI NICOLE [CH] BECKER DIETER [CH] TAILLEMITE JULIEN [CH] FILLIOT MARIE-PIERRE [CH] MEISTER TANJA [CH]	NOVARTIS AG [CH]		PRT128, Elinogrel
2	PHARMACEUTICAL COMPOSITION AND DOSAGE FORMS OF ELINOGREL AND METHODS OF USE THEREOF	US20100334068P	WANG JUAN [US] RAMANI CHANDIR [CA] LAMBING JOE [US] YE CHRISTINE [US] VADAS ELIZABETH [CA] TAILLEMITE JULIAN [FR] FILLIOT MARIE-PIERRE [FR] BECKER DIETER [DE]	PORTOLA PHARM INC [US] NOVARTIS PHARMA AG [CH]		PRT128, Elinogrel
3	PHARMACEUTICAL COMBINATION OF ALISKIREN AND VALSARTAN	US20070975905P	CURDY CATHERINE [CH] LI SHOUFENG [US] BECKER DIETER [DE] SCHLUETERMANN BURKHARD [DE] GERBER FREDERIC [FR]	NOVARTIS AG [CH]	Modified Release coated beads in a tablet with high drug load	SPV100, aliskiren and valsartan,
4	Formulation of organic compounds	WO2008 028885	BECKER DIETER [DE] LUCKEL BARBARA [DE] GALLI BRUNO [CH] SIEPE STEFANIE [DE] OGORKA JORG [DE]	NOVARTIS AG [CH]	pH-modified formulation approaches for Valsartan	Valsartan, Diovan ®
5	SOLID PHARMACEUTICAL COMPOSITION COMPRISING 1-(4-CHLOROANILINO)-4-(4-PYRIDYLMETHYL)PHTHA LAZINE AND A PH MODIFIER	WO2007 022944A1	SIEPE STEFANIE [DE] RIES ANGELIKA [DE] LUECKEL BARBARA [DE] LOGGIA NICOLETTA [CH] KRAMER ANDREA [DE] BECKER DIETER [DE]	NOVARTIS AG [CH]	Modified Release (pH modified system)	Valatanib, PTK787
6	ORGANIC COMPOUNDS	US2009312441 (A1)	AMBUEHL MICHAEL [CH] BECKER DIETER [DE] LAMBERT OLIVIER [FR] LUECKEL BARBARA [DE]	NOVARTIS AG [AT]	Nano-suspension for poorly water soluble drug	Gimatecan, LBQ707
7	SOLID PHARMACEUTICAL COMPOSITIONS	WO2006 066870A1	AMBUEHL MICHAEL BECKER DIETER LAMBERT OLIVIER LUECKEL BARBARA	NOVARTIS AG [CH]	Solid Dispersion including spray layering for poorly water soluble drugs	many
8	PHARMACEUTICAL COMPOSITIONS	WO2006 024479A3	BECKER DIETER [DE] BEYER JUTTA [CH] KRAMER ANDREA [DE] LUFTENSTEINER CHRISTIAN-PETER [DE] LOGGIA NICOLETTA [CH] KERC JANEZ [SI]	NOVARTIS AG [CH]	Modified Release (Multi-particular)	mycophenolic acid and rapamycin, ERL080

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9	PHARMACEUTICAL MULTIPARTICULATE COMPOSITION COMPRISING MYCOPHENOLIC ACID OR MYCOPHENOLATE SODIUM AND COMBINATION WITH RAPAMYCIN	WO2005 034916A1	BECKER DIETER [DE] BUERGER CARSTEN [DE] FEUTREN GILLES [FR] GUITARD PATRICE [FR] KRAMER ANDREA [DE] LOGGIA NICOLETTA [CH] LUFTENSTEINER CHRISTIAN-PETER [DE] OGORKA JOERG [DE] OTTINGER HARALD [DE]	NOVARTIS AG [CH]	Modified Release (Multi-particular)	Mycophenolic acid and rapamycin
10	PHARMACEUTICAL COMPOSITIONS CONTAINING TERBINAFIN AND USE THEREOF	WO2003 022267A1	ALLES RAINER [DE] BECKER DIETER [DE] BONNY JEAN-DANIEL [CH] HIRSCH STEFAN [DE] KALB OSKAR [DE] KOELLE ERNST ULRICH [DE] MAYER FRIEDRICH KARL [CH] STUETZ ANTON [AT] WILLIAMS ANTHONY [CH]	NOVARTIS AG [CH]	Mini tablets (taste masked)	Terbinafine, Lamisil®
11	PHARMACEUTICAL COMPOSITIONS COMPRISING TERBINAFINE	WO2001 052895A1	EUGSTER ANDREAS CARL [CH] GUITARD PATRICE [FR] HIRSCH STEFAN [DE] DIETER BECKER [DE]	NOVARTIS AG [CH]	Mini tablets (taste masked)	Terbinafine, Lamisil®

Publications

#	Author(s)	Title	Journal
1	Schönherr, D.; Wollatz, U.; Haznar-Garbacz, D.; Hanke, U.; Box, K.J.; Taylor, R.; Ruiz, R.; Beato, S.; Becker, D.; Weitschies, W.;	Characterisation of selected active agents regarding pKa values, solubility concentrations and pH profiles by SiriusT3	Eur J Pharm Biopharm 2015;92:155–70. Available from: http://www.ncbi.nlm.nih.gov/pubmed?term=25758123
2	Koziolek M, Grimm M, Becker D, Iordanov V, Zou H, Shimizu J, et al	Investigation of pH and Temperature Profiles in the GI Tract of Fasted Human Subjects Using the Intellicap(®) System	J Pharm Sci, online, 2014 Nov 19;1–9 Available from: http://www.ncbi.nlm.nih.gov/pubmed/25411065
3	Dieter Becker, Jin Zhang, Tycho Heimbach, Robert C. Penland, Christoph Wanke, Jeff Shimizu	Novel Orally Swallowable IntelliCap® Device to Quantify Regional Drug Absorption in Human GI Tract using Diltiazem as Model Drug	AAPS PharmSciTech July 15,2014; Available from: http://dx.doi.org/10.1208/s12249-014-0172-1
4	Sjögren E, Abrahamsson B, Augustijns P, Becker D, Bolger MB, Brewster M, et al.	In vivo methods for drug absorption - Comparative physiologies, model selection, correlations with in vitro methods (IVIVC), and applications for formulation/API/excipient characterization including food effects	Eur J Pharm Sci; 57:99–151. Available from: http://www.ncbi.nlm.nih.gov/pubmed/24637348
5	Schlack, H., Bauer-Brandl A., Schubert R., Becker D.	Properties of Fujicalin, a new modified anhydrous dibasic calcium phosphate for direct compression: comparison with dicalcium phosphate dihydrate	Drug Development & Industrial Pharmacy. 27(8): p 789-801. 2001.
6	Matz C., Bauer-Brandl A., Rigassi T., Schubert R., Becker D.	On the accuracy of a new displacement instrumentation for rotary tablet	Drug Development & Industrial Pharmacy. 25(2): p 117-130. 1999.
7	Becker D., Rigassi T., Bauer-Brandl A.	Effectiveness of binders in wet granulation: comparison using model	Drug Development & Industrial Pharmacy. 23(8): p 791-808. 1997.
8	Bauer-Brandl A., Becker D.	Evaluation of a conical mill for screening of direct compression formulations.	Drug Development & Industrial Pharmacy. 22(5): p 417-430. 1996.
9	Brandl M., Becker D., Bauer KH.	Hemoglobin-liposomes as blood replacement fluid.	Drug Development & Industrial Pharmacy. 15(5): p 655-669. 1989.

Lectures

#	Authors	Type	Title	Congress
1	Dieter Becker	Lecture	Industrial Experiences in IVIVC	3rd Galenus Workshop, University Greifswald, July 3, 2014
2	Dieter Becker, Tycho Heimbach, Jeff Shimizu, Christoph Wanke	Poster	New orally swallowable IntelliCap® device to determine regional drug absorption in man to guarantee success in MR development	9th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology, Lisbon, March 31 - April 3, 2014
3	Dieter Becker	Lecture	The future of pharmaceutical development is simulation	Advanced Process Modelling (APM) Forum, London, April 2-3, 2014
4	Dieter Becker	Lecture	Novel orally swallowable IntelliCap™ device guarantee success in MR development by quantitative determination of regional drug absorption in man	The 40th Annual Meeting & Exposition of the Controlled Release Society, Honolulu, July 21-24, 2013
5	M. Grimm, M. Koziolk, D. Becker, V. Iordanov, H.Zou, J. Shimizu, C. Wanke and W. Weitschies	Poster	Investigation of pH and temperature profiles in the GI tract of fasted human subjects by Intellicap® system	The 40th Annual Meeting & Exposition of the Controlled Release Society, Honolulu, July 21-24, 2013
6	Dieter Becker	Lecture	Novel approaches to increase efficiency when developing modified release formulations & patient specific therapies using IntelliCap® technology	Informa Life Sciences - 3rd Annual Formulation Strategies for Pharmaceuticals September 17 & 18 2013, Berlin, Germany
7	Dieter Becker	Lecture	Evaluation of the Performance of Amorphous Dispersions	APV 6473: Drug Delivery Strategies for Poorly Water Soluble Drugs Braunschweig, Nov 30, 2012
8	Dieter Becker, Olaf Weiner	Lecture	Significantly Improved Successes for Oral Modified Release Dosage Forms Oral Modified Release Dosage Forms Programmable Mini Pump System	3rd Annual World Drug Delivery and Formulation Summit, Berlin, Jan 17, 2012
9	Dieter Becker	Lecture	Significantly Improved Successes for Oral Modified Release Dosage Forms Oral Modified Release Dosage Forms Programmable Mini Pump System	Swissmedic, Bern, March 6., 2012
10	Dieter Becker	Lecture	IntelliCap – a new device – paves the way for a guaranteed successful Modified Release development	Informa Congress, Munich, Sept. 11.-12.2012
11	Dieter Becker	Lecture	Mapping Quantitatively Regional Drug Absorption in Canines with IntelliCap System	The 38th Annual Meeting & Exposition of the Controlled Release Society, National Harbour, July 30-Aug 3, 2011
12	Dieter Becker	Lecture	Quantitative regional drug absorption in dogs with IntelliCap system	APGI - 3rd PharmSciFair, Pragues, June 13.-17.2011
13	Dieter Becker	Lecture	Evaluation of the Performance of Amorphous Dispersions	Informa Life Sciences' 2nd Annual: Amorphous Materials Conference, Brussels, May 19-20, 2009
14	Dieter Becker	Lecture	From Pill to PK or from PK to Pill?	University Greifswald, Oct 8, 2009
15	Dieter Becker	Lecture	Approaches for increasing solubility and dissolution rate of poorly soluble drugs	21st Symposium of the Section of Pharmaceutical Technologists at Slovenian Pharmaceutical Society Ljubljana, June 18., 2009
16	Dieter Becker, Carsten Timpe	Lecture	Poorly water soluble drugs: Successful Formulation Approaches	Organizer of the APV congress, Basel, 4. & 5.11.2008
17	Dieter Becker	Lecture	poorly water soluble drug formulations in animals and humans	Informa congress, Amsterdam, 9.& 10.12.2008
18	H. Schlack, A. Bauer-Brandl, R. Schubert and D. Becker	Lecture	Properties of Fujicalin, a new modified anhydrous dibasic calcium phosphate for direct compression: Comparison with dicalcium phosphate dihydrate	3rd Word Meeting on Pharmaceutics, Biopharmaceutics, Pharmaceutical Technology, APV/APGI, Berlin, 2000
19	H. Schlack, A. Bauer-Brandl, K.H. Bauer, R., Schubert, D. Becker	Lecture	Pulververpressungen an einer instrumentierten Exzenter-Tablettenpresse	Freiburg, Dec. 1999, Freiburger Material Forschungszentrum (FMF)
20	D. Becker, Ch. Matz, R. Schubert, A. Bauer-Brandl	Poster	Evaluation of a New Telemetric Instrumentation Device for Rotary Tablet Presses	APV / APGI 2nd Wold Meeting on Pharmaceutics Biopharmaceutics Pharmaceutical Technology, Paris, 25.-28..5.98