



Extract from the Register of European Patents

About this file: EP3402522

EP 3402522 - BIOPHOTONIC COMPOSITIONS FOR THE TREATMENT OF OTITIS			
EXTERNA [Right-click to bookmark this link]			
Status	Request for examination was made <i>Status updated on 19.10.2018</i> <i>Database last updated on 01.12.2018</i>		
Most recent event	19.10.2018	Publication in section I.1 EP Bulletin	published on 21.11.2018 [2018/47]
	19.10.2018	The date on which the examining division becomes responsible has been established	
	19.10.2018	Request for examination filed	published on 21.11.2018 [2018/47]
Applicant(s)	For all designated states Bellini, Francesco 910 5th Avenue S.W. Suite 2801 Calgary, Alberta T2P 0C3 / CA		
	For all designated states Klox Technologies Limited 70 Sir John Rogerson's Quay Dublin 2 / IE		
	For all designated states Cerquetella, Matteo School of Biosciences and Veterinary Medicine Via Circonvallazione nn. 93/95 62024 Matelica / IT		
	For all designated states Tambella, Adolfo Maria School of Biosciences and Veterinary Medicine Via Circonvallazione nn. 93/95 62024 Matelica / IT		
	For all designated states Spaterna, Andrea School of Biosciences and Veterinary Medicine Via Circonvallazione, 93/95 62024 Matelica / IT		
	For all designated states Loupis, Nikolaos Kifissias 228 Avenue Kifissia 14562 Athens / GR		
	For all designated states Ohayon, David 40 Pierre Trudeau Dollard-des-Ormeaux Québec H9A 3J8 / CA		
Inventor(s)	For all designated states Piergallini, Remigio Piazza Nardone, 19 63036 San Benedetto del Tronto (AP) / IT [2018/47]		
	01 / BELLINI, Francesco Piazza Nardone 19 63036 San Benedetto del Tronto (AP) / CA		
	02 / CERQUETELLA, Matteo Piazza Nardone 19 63036 San Benedetto del Tronto (AP) / IT		
	03 / TAMBELLA, Adolfo Maria Piazza Nardone 19 63036 San Benedetto del Tronto (AP) / IT		
	04 / SPATERNA, Andrea Piazza Nardone 19 63036 San Benedetto del Tronto (AP) / IT		
	05 / LOUPIS, Nikolaos Piazza Nardone 19 63036 San Benedetto del Tronto (AP) / GR		
	06 / OHAYON, David Piazza Nardone 19 63036 San Benedetto del Tronto (AP) / CA		
	07 / PIERGALLINI, Remigio Piazza Nardone 19 63036 San Benedetto del Tronto (AP) / IT [2018/47]		
Representative(s)	Be IP Cabinet LTL SAS Centre d'Entreprise et d'Innovation 56, Bd Niels Bohr CS 52132 69603 Villeurbanne Cedex / FR [2018/47]		
Application number, filing date	17738059.9	11.01.2017	
	[2018/47] WO2017CA50032		
Priority number, date	US201662277263P	11.01.2016	Original published format: US 201662277263 P
	[2018/47]		
Filing language	EN		
Procedural language	EN		
	Type:	A1 Application with search report	
	No.:	WO2017120671	
	Date:	20.07.2017	
	Language:	EN	

Publication	[2017/29]	
	Type:	A1 Application with search report
	No.:	EP 3402522
	Date:	21.11.2018
	Language:	EN
The application has been published by WIPO in one of the EPO official languages on 20.07.2017		
[2018/47]		
Search report(s)	International search report - published on:	CA 20.07.2017
Classification	International:	A61K41/00, A61P27/16 [2018/47]
Designated contracting states	AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR [2018/47]	
Extension states	BA	Not yet paid
	ME	Not yet paid
Validation states	MA	Not yet paid
	MD	Not yet paid
Title	German:	BIOPHOTONISCHE ZUSAMMENSETZUNGEN ZUR BEHANDLUNG VON OTITIS EXTERNA [2018/47]
	English:	BIOPHOTONIC COMPOSITIONS FOR THE TREATMENT OF OTITIS EXTERNA [2018/47]
	French:	COMPOSITIONS BIOPHOTONIQUES POUR LE TRAITEMENT DE L'OTITE EXTERNE [2018/47]
Entry into regional phase	03.08.2018	National basic fee paid
	03.08.2018	Search fee paid
	03.08.2018	Designation fee(s) paid
	03.08.2018	Examination fee paid
Examination procedure	03.08.2018	Amendment by applicant (claims and/or description)
	03.08.2018	Examination requested [2018/47]
	03.08.2018	Date on which the examining division has become responsible
Cited in	International search	[Y]CA2806094 (ADVANCED PHOTODYNAMIC TECHNOLOGIES INC [US]) [Y] 1-68 * (see entire document) *;
		[Y]US2008119914 (ROSE ANDREAS [US], et al) [Y] 1-68 * (see entire document) *;
		[Y]WO2007025244 (HOULE PHILIP R [US]) [Y] 1-68 * (see entire document) *;
		[Y]WO2010051636 (KLOX TECHNOLOGIES INC [CA], et al) [Y] 1-68 * (see entire document) *;
		[Y]WO2010051641 (KLOX TECHNOLOGIES INC [CA], et al) [Y] 1-68 * (see entire document) *
		[Y] - LEE et al., "Photodynamic Therapy Using a 632 nm Diode Laser on Otitis Externa of the Dog", Journal of Veterinary Clinic, (20140000), vol. 31, no. 1, pages 66 - 69, [Y] 1-68 * . (see entire document) *
		[Y] - STREET et al., "In Vitro Photodynamic Eradication of Pseudomonas aeruginosa in Planktonic and Biofilm Culture", Photochemistry and Photobiology, (20090000), vol. 85, pages 137 - 143, XP055399257 [Y] 1-68 * . (see abstract) *
		DOI: http://dx.doi.org/10.1111/j.1751-1097.2008.00407.x
		[Y] - LINS et al., "Enhancement of Antimicrobial Action of Photodynamic Therapy in the Presence of Hydrogen Peroxide", Microbial Pathogens and Strategies for Combating Them: Science , Technology and Education, (20130000), pages 367 - 371, URL: https://www.researchgate.net/publication/283644315 , XP055399260 [Y] 1-68 * (see entire document) *
	[Y] - CACCIANIGA et al., "Photodynamic therapy (Association diode laser /hydrogen peroxide): Evaluation of bacterial effects on periodontopathic bacteria: An In Vitro study", European Journal of Inflammation, (20120000), vol. 10, pages 10 1 - 106, [Y] 1-68 * . (see entire document) *	
	[Y] - AWAD et al., "In vitro Photodynamic Antimicrobial Activity of Protoporphyrin IX in the Presence of Hydrogen Peroxide against Staphylococcus aureus and Pseudomonas aeruginosa", British Microbiology Research Journal, (20140000), vol. 4, no. 11, pages 1219 - 1234, XP055399268 [Y] 1-68 * . (see entire document) *	
	DOI: http://dx.doi.org/10.9734/BMRJ/2014/10482	



Espacenet

Bibliographic data: EP3402522 (A1) — 2018-11-21

BIOPHOTONIC COMPOSITIONS FOR THE TREATMENT OF OTITIS EXTERNA

Inventor(s): BELLINI FRANCESCO [CA]; CERQUETELLA MATTEO [IT]; TAMBELLA ADOLFO MARIA [IT]; SPATERNA ANDREA [IT]; LOUPIS NIKOLAOS [GR]; OHAYON DAVID [CA]; PIERGALLINI REMIGIO [IT] ± (BELLINI, Francesco, ; CERQUETELLA, Matteo, ; TAMBELLA, Adolfo Maria, ; SPATERNA, Andrea, ; LOUPIS, Nikolaos, ; OHAYON, David, ; PIERGALLINI, Remigio)

Applicant(s): BELLINI FRANCESCO [CA]; KLOX TECH LIMITED [IE]; CERQUETELLA MATTEO [IT]; TAMBELLA ADOLFO MARIA [IT]; SPATERNA ANDREA [IT]; LOUPIS NIKOLAOS [GR]; OHAYON DAVID [CA]; PIERGALLINI REMIGIO [IT] ± (Bellini, Francesco, ; Klox Technologies Limited, ; Cerquetella, Matteo, ; Tambella, Adolfo Maria, ; Spaterna, Andrea, ; Loupis, Nikolaos, ; Ohayon, David, ; Piergallini, Remigio)

Classification: - international: **A61K41/00; A61P27/16**
- cooperative: **A61K31/17; A61K31/352; A61K33/40; A61K41/00; A61K45/06; A61K47/32; A61K9/0046; A61K9/06** [more](#)

Application number: EP20170738059 20170111 [Global Dossier](#)

Priority number(s): [US201662277263P 20160111](#) ; [WO2017CA50032 20170111](#)

Also published as: [AU2017207533 \(A1\)](#) [CA3011156 \(A1\)](#) [WO2017120671 \(A1\)](#)

Abstract not available for EP3402522 (A1)

Abstract of corresponding document: WO2017120671 (A1)

The present disclosure describes methods and uses of biophotonic compositions which comprise at least one oxidant and at least one chromophore capable of activating the oxidant, in association with a pharmacologically acceptable carrier for the treatment of otitis externa.