

About this file: EP2296718

EP2296718 - CALCIUM PHOSPHATE COATING OF Ti6Al4V BY A NA-LACTATE AND LACTIC ACID-BUFFERED BODY FLUID SOLUTION [\[Right-click to bookmark this link\]](#)

Status	No opposition filed within time limit <i>Database last updated on 17.08.2015</i>		
Most recent event	17.07.2015	Lapse of the patent in a contracting state New state(s): HU, LU	published on 19.08.2015 [2015/34]
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	[N/P]	
Application number, filing date	09755172.5	24.04.2009
	[2011/12]	
	WO2009TR00052	
Priority number, date	TR20080003782	27.05.2008 Original published format: TR 200803782
	[2011/12]	
Filing language	EN	
Procedural language	EN	
Publication	Type:	A2 Application without search report
	No.:	WO2009145741
	Date:	03.12.2009
	Language:	EN
	[2009/49]	
	Type:	A2 Application without search report
	No.:	EP2296718
	Date:	23.03.2011
	Language:	EN
	The application has been published by WIPO in one of the EPO official languages on 03.12.2009	
	[2011/12]	
	Type:	B1 Patent specification
	No.:	EP2296718
	Date:	27.03.2013
	Language:	EN
[2013/13]		
International and Supplementary search report(s)	International search report - published on:	EP 16.09.2010
Classification	International:	A61L27/06, A61L27/32 [2012/45]
Designated contracting states	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, SE, SI, SK, TR [2011/12]	
Title	German:	CALCIUMPHOSPHAT-BESCHICHTUNG VON Ti6Al4V MIT EINEM NA-LACTAT UND MILCHSÄURE-GEPUFFERTE KÖRPERFLÜSSIGKEITS-LÖSUNG [2011/12]
	English:	CALCIUM PHOSPHATE COATING OF Ti6Al4V BY A NA-LACTATE AND LACTIC ACID-BUFFERED BODY FLUID SOLUTION [2011/12]
	French:	PHOSPHATE DE CALCIUM ENROBANT DU Ti6AL4V AVEC UNE SOLUTION DE LIQUIDE CORPOREL TAMPONNÉE AVEC DU LACTATE DE SODIUM ET DE L' ACIDE LACTIQUE [2012/45]
Entry into regional phase	24.12.2010	National basic fee paid
	24.12.2010	Designation fee(s) paid
	24.12.2010	Examination fee paid
Examination procedure	21.12.2010	Amendment by applicant (claims and/or description)
	24.12.2010	Examination requested [2011/12]
	17.01.2012	Despatch of a communication from the examining division (Time limit: M04)
	17.05.2012	Reply to a communication from the examining division
	27.06.2012	Despatch of a communication from the examining division (Time limit: M02)
	26.07.2012	Reply to a communication from the examining division
	12.10.2012	Communication of intention to grant the patent
	12.02.2013	Fee for grant paid
	12.02.2013	Fee for publishing/printing paid
Divisional application(s)	The date of the Examining Division's first communication in respect of the earliest application for which a communication has been issued is 17.01.2012	
Opposition(s)	03.01.2014	No opposition filed within time limit [2014/10]
	Renewal fee	
	31.10.2011	Renewal fee patent year 03
	31.10.2012	Renewal fee patent year 04

Fees paid	Penalty fee	
	Additional fee for renewal fee	
	30.04.2011	03 M06 Fee paid on 31.10.2011
	30.04.2012	04 M06 Fee paid on 31.10.2012
Lapses during opposition	HU	24.04.2009
	AT	27.03.2013
	BE	27.03.2013
	CY	27.03.2013
	CZ	27.03.2013
	DK	27.03.2013
	EE	27.03.2013
	FI	27.03.2013
	HR	27.03.2013
	IT	27.03.2013
	LT	27.03.2013
	LV	27.03.2013
	MC	27.03.2013
	MK	27.03.2013
	MT	27.03.2013
	NL	27.03.2013
	PL	27.03.2013
	RO	27.03.2013
	SE	27.03.2013
	SI	27.03.2013
	SK	27.03.2013
	TR	27.03.2013
	IE	24.04.2013
	LU	24.04.2013
	CH	30.04.2013
	LI	30.04.2013
	BG	27.06.2013
	GB	27.06.2013
	NO	27.06.2013
	GR	28.06.2013
	ES	08.07.2013
	IS	27.07.2013
	PT	29.07.2013
	DE	01.11.2013
	[2015/34]	
Cited in	International search	[A] EP1348452
		[A] A. CUNEYT TAS, SARIT B. BHADURI: "Rapid coating of Ti6al4V at room temperature with a calcium phosphate solution similar to 10x simulated body fluid" JOURNAL OF MATERIALS RESEARCH, vol. 19, no. 9, 1 September 2004 (2004-09-01), pages 2742-2749, XP002591785 DOI: http://dx.doi.org/10.1557/JMR.2004.0349
	by applicant	EP1348452
		- L. L. HENCH J. AM. CERAM. SOC. vol. 74, 1991, pages 1487 - 1510
		- F. BARRERE BIOMATERIALS vol. 23, 2002, pages 1921 - 1930
		- K. C. BAKER MATERIALS SCIENCE AND ENG. C vol. 26, 2006, pages 1351 - 1360
		- H. LI ET AL. MATER. SCI. ENG. C vol. 27, 2007, pages 756 - 761
		- T. KOKUBO J. MATER. SCI. MATER. M. vol. 15, 2004, pages 99 - 107
		- A. BIGI BIOMATERIALS vol. 26, 2005, pages 4085 - 4089
		- M. DEMIRCIOLU KEY ENG. MATER. 2004, pages 264 - 268,2103-2106
		- K.C. BAKER MATERIALS SCIENCE AND ENG. C. vol. 26, 2006, pages 1351 - 1360
		- D. BAYRAKTAR; A. C. TAS J. OF THE EUROPEAN CERAMIC SOCIETY vol. 19, 1999, pages 2573 - 2579
		- A.C. TAS J. MATER. RES. vol. 19, 2004, pages 2742 - 2749
		- X. SHEN MATERIALS LETTERS vol. 61, 2007, pages 629 - 634

	- N. ZHANG MATERIALS SCIENCE AND ENGINEERING C vol. 27, 2007, pages 599 - 606
	- H. LI MATERIALS SCIENCE AND ENGINEERING C vol. 27, 2007, pages 756 - 761
	- M. KAWASHITA BIOMATERIALS vol. 24, 2003, pages 2477 - 2484
	- T. KOKUBO COMP. PART A: APP. SCI. AND MAN. vol. 30, 1999, pages 405 - 409
	- A.C. TAS J. OF MATERIAL RESEARCH vol. 19, 2004, pages 2742 - 2749
	- J. FORSGREN ACTA BIOMATERIALIA vol. 3, 2007, pages 980 - 984