



(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:  
**Corrected version no 1 (W1 B1)**  
**Corrections, see**  
**Bibliography INID code(s) 73**

(48) Corrigendum issued on:  
**11.10.2017 Bulletin 2017/41**

(45) Date of publication and mention  
of the grant of the patent:  
**23.08.2017 Bulletin 2017/34**

(21) Application number: **10830032.8**

(22) Date of filing: **12.11.2010**

(51) Int Cl.:  
**C07F 9/10<sup>(2006.01)</sup> A61K 9/127<sup>(2006.01)</sup>**  
**A61K 47/24<sup>(2006.01)</sup>**

(86) International application number:  
**PCT/JP2010/070237**

(87) International publication number:  
**WO 2011/059073 (19.05.2011 Gazette 2011/20)**

(54) **PHOSPHOLIPID DERIVATIVE AND PH-RESPONSIVE LIPOSOMES**

PHOSPHOLIPID-DERIVAT UND PH-RESPONSIVE LIPOSOME

DÉRIVÉ DE PHOSPHOLIPIDE ET LIPOSOMES RÉACTIFS AU PH

(84) 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**

(30) Priority: **13.11.2009 JP 2009260398**

(43) Date of publication of application:  
**19.09.2012 Bulletin 2012/38**

(73) Proprietors:  
• **NOF CORPORATION**  
**Tokyo 150-6019 (JP)**  
• **Osaka Prefecture University Public Corporation**  
**Osaka 599-8531 (JP)**  
Designated Contracting States:  
**AL AT BE BG CY CZ DK EE ES FI FR GB GR HR  
HU IE IS IT LT LU LV MC MK MT NL NO PL PT RO  
RS SE SI SK SM TR**

(72) Inventors:  
• **ARAI, Masaya**  
**Kawasaki-shi**  
**Kanagawa 210-0865 (JP)**  
• **KUBO, Kazuhiro**  
**Kawasaki-shi**  
**Kanagawa 210-0865 (JP)**

• **YOKOYAMA, Shoichi**  
**Kawasaki-shi**  
**Kanagawa 210-0865 (JP)**  
• **KONO, Kenji**  
**Sakai-shi**  
**Osaka 599-8531 (JP)**

(74) Representative: **dompatent von Kreisler Selting**  
**Werner -**  
**Partnerschaft von Patent- und Rechtsanwälten**  
**mbB**  
**Deichmannhaus am Dom**  
**Bahnhofsvorplatz 1**  
**50667 Köln (DE)**

(56) References cited:  
**EP-A1- 1 591 447 WO-A1-03/082882**  
**WO-A1-2004/060899**

• **NAOKI SAKAGUCHI ET AL: "Preparation of**  
**pH-Sensitive Poly(glycidol) Derivatives with**  
**Varying Hydrophobicities: Their Ability to**  
**Sensitize Stable Liposomes to pH",**  
**BIOCONJUGATE CHEMISTRY, vol. 19, no. 5, 1**  
**May 2008 (2008-05-01), pages 1040-1048,**  
**XP055097615, ISSN: 1043-1802, DOI:**  
**10.1021/bc7004736**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

Remarks:

The file contains technical information submitted after the application was filed and not included in this specification