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HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP,  
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TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
ML, MR, NE, SN, TD, TG).
- Declarations under Rule 4.17:**
- as to applicant's entitlement to apply for and be granted a  
patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the  
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- Published:**
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(54) Title: PHARMACEUTICAL COMPOSITIONS OF COMBINATIONS OF DIPEPTIDYL PEPTIDASE-4 INHIBITORS WITH ATORVASTATIN

(57) Abstract: This invention relates to a bilayer pharmaceutical compositions comprising fixed-dose combinations of a dipeptidyl peptidase-4 inhibitor and atorvastatin, or a pharmaceutically acceptable salt thereof, methods of preparing such pharmaceutical compositions, and methods of treating Type 2 diabetes with such pharmaceutical compositions.



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 12/61304

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC(8) - C07D 237/34, C07D 487/04 (2013.01)  
 USPC - 544/350, 548/537

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - C07D 237/34, C07D 487/04 (2013.01)

USPC - 544/350, 548/537

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

IPC(8) - A61P 9/10, A61P 9/20, A61P 9/24; A61K 31/40, A61K 31/66, C07D 237/34, C07D 487/04 (2013.01)

USPC - 424/464, 424/472, 514/103, 514/423, 544/350, 548/537

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

\*\*\* Databases: WEST; Patbase; Google \*\*\* Search Terms Used: Atorvastatin, sitagliptin, dipeptidyl peptidase-4 inhibitor, DPP-4 inhibitor, bilayer, multilayer, diluent, disintegrant, lubricant, agent, additive, component, ingredient, sodium bicarbonate, calcium carbonate, silicon dioxide, film coating, Croscarmellose sodium, microcrystalline cell

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                | Relévant to claim No. |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Y         | US 2011/0165239 A1 (Alani et al.) 07 July 2011 (07.07.2011), especially para [0002], [0006]-[0007], [0009], [0020], [0028]-[0029], [0032]-[0033], [0046],                                         | 1-54                  |
| Y         | WO 2011/049773 A1 (Birringer et al.) 28 April 2011 (28.04.2011), pg 4, ln 31 to pg 5, ln 9; pg 5, ln 26-31; pg 7, ln 8-16 and 23-26; pg 8, ln 8, 14-15, 19; pg 9, ln 5-16, 30-33; pg 10, ln 4-17; | 1-54                  |
| A         | US 2011/0104277 A1 (Ma et al.) 05 May 2011 (05.05.2011), entire document                                                                                                                          | 1-54                  |

☐ Further documents are listed in the continuation of Box C.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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Name and mailing address of the ISA/US

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