

**Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)**  
*The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.*

**Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))  
for the purposes of the designation of the United States of America:**

I hereby declare that I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

This declaration is directed to the international application of which it forms a part (if filing declaration with application).

This declaration is directed to international application No. PCT/ **IB2019/059139** ..... (if furnishing declaration pursuant to Rule 26ter).

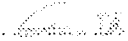
I hereby declare that the above-identified international application was made or authorized to be made by me.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name: **Xin GAO** .....

Residence: **Thuwal, Kingdom of Saudi Arabia** .....  
(city and either US state, if applicable, or country)

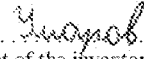
Mailing Address: **4700 King Abdullah University of Science and Technology** .....  
**Thuwal, 23955-6900, Kingdom of Saudi Arabia** .....

Inventor's Signature:  ..... Date: **October 28, 2019** .....  
(The signature must be that of the inventor, not that of the agent)

Name: **Ramzan UMAROV** .....

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Inventor's Signature:  ..... Date: **October 28, 2019** .....  
(The signature must be that of the inventor, not that of the agent)

Name: .....  
.....

Residence: .....  
(city and either US state, if applicable, or country)

Mailing Address: .....  
.....

Inventor's Signature: ..... Date: .....  
(The signature must be that of the inventor, not that of the agent)

This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".