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Intellectual Property Office of Singapore
51 Bras Basah Road
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Our Ref: P000636SG1
Your Ref: 11201807721R

21 March 2019

Dear Sirs,

Re: Singapore Patent Application No. 11201807721R filed 27 March 2017
(Singapore National Phase of PCT/US2017/024278)
'Systems and Methods for Constructing and Testing Composite Photonic Structures'
Claiming priority from US 15/082,327 filed 28 Mar 16
Saudi Arabian Oil Company
Our Ref: P000636SG1

We file Patents Form 13 to amend the specification of this application under Section 31(3) and Rule 48 of the Patents Act and Rules.

As required by Rule 49(3), amendment is not being sought between the filing of a request for search and the receipt of the search report by the applicant, or after a request for search and examination, a request for examination, a request for supplementary examination or a request for an examination review.

Pages 55 to 58 of the claims are being replaced with corresponding replacement pages (15 claims). Pages 59 and 60 of the claims are being deleted without prejudice.

In order to effect the above amendments, we enclose a copy of the amendments to the specification formatted in accordance with Rule 48(2) and Section 14(1) of Practice Direction 2 of 2008.

The subject matter of the claims as amended is disclosed throughout the application as filed.

The subject matter of new Claim 1 is disclosed throughout the specification as filed, for example at page 3, lines 12 to page 4, lines 21; page 32, lines 1 to 3; page 34, lines 17 to page 35, lines 13; and page 36, lines 19 to page 37, lines 25 of the specification as filed.

The subject matter of new Claim 2 is disclosed throughout the specification as filed, for example at page 31, lines 14 to 24; page 34, lines 2 to 4; and page 34, lines 17 to page 35, lines 13 of the specification as filed.

The subject matter of new Claim 3 is disclosed throughout the specification as filed, for example at page 31, lines 14 to 24; page 34, lines 2 to 4; page 34, lines 17 to page 35, lines 13; and page 36, lines 3 to 16 of the specification as filed.

The subject matter of new Claim 4 is disclosed throughout the specification as filed, for example at page 3, lines 12 to page 4, lines 21; page 32, lines 1 to 6; page 43, lines 1 to 21; and page 47, lines 3 to 25 of the specification as filed.

The subject matter of new Claim 5 is disclosed throughout the specification as filed, for example at page 47, lines 3 to 25; and page 35, lines 14 to 25 of the specification as filed.

The subject matter of new Claim 6 is disclosed throughout the specification as filed, for example at page 40, lines 19 to page 41, lines 21 and page 43, lines 2 to 21 of the specification as filed.

The subject matter of new Claim 7 is disclosed throughout the specification as filed, for example at page 3, lines 12 to 15; page 4, lines 12 to 14; and page 33 lines 20 to 25 of the specification as filed.

The subject matter of new Claim 8 is disclosed throughout the specification as filed, for example at page 3, lines 12 to page 4, lines 21; page 32, lines 1 to 6; page 34, lines 17 to page 35, lines 13; and page 36, lines 19 to page 37, lines 25 of the specification as filed.

The subject matter of new Claim 9 is disclosed throughout the specification as filed, for example at page 3, lines 12 to page 4, lines 21; page 32, lines 1 to 6; page 43, lines 1 to 21; and page 47, lines 3 to 25 of the specification as filed.

The subject matter of new Claim 10 is disclosed throughout the specification as filed, for example at page 31, lines 14 to 24; page 34, lines 2 to 4; page 34, lines 17 to page 35, lines 13; and page 36, lines 3 to 16 of the specification as filed.

The subject matter of new Claim 11 is disclosed throughout the specification as filed, for example at page 31, lines 14 to 24; page 34, lines 2 to 4; page 34, lines 17 to page 35, lines 13; and page 36, lines 3 to 16 of the specification as filed.

The subject matter of new Claim 12 is disclosed throughout the specification as filed, for example at page 40, lines 19 to page 41, lines 21 and page 43, lines 2 to 21 of the specification as filed.

The subject matter of new Claim 13 is disclosed throughout the specification as filed, for example at page 42, lines 10 to 15; and page 43, lines 2 to 21 of the specification as filed.

The subject matter of new Claim 14 is disclosed throughout the specification as filed, for example at page 3, lines 20 to page 4, lines 21 and at Claims 17 and 18 as filed of the specification as filed.

The subject matter of new Claim 15 is disclosed throughout the specification as filed, for example at page 3, lines 12 to 15; page 4, lines 12 to 14; and page 33 lines 20 to 25 of the specification as filed.

We submit that the claims as amended are clear and comply with Section 25(5). We further submit that the subject-matter of the amendments is supported by the application as filed and that none of the amendments being proposed constitutes added subject-matter, so that Section 84(2) is complied with. For the avoidance of doubt, the amendments are made without prejudice and the Applicant reserves the right to return to any of the deleted subject matter in either this patent application or any divisional patent application.

We trust that the Examiner will, having considered our submissions and claim amendments, conclude that the claims define novel and inventive subject matter and are furthermore clear and enabled by the specification.

We look forward to receiving an acknowledgment that the above amendments have been entered into the specification.

Yours sincerely,



Dr Khoo Chong Yee
Cantab IP Pte Ltd