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- (71) **Applicant: NATIONAL UNIVERSITY OF SINGAPORE** [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG).
- (72) **Inventors: TAN, Yong Quan;** c/o National University of Singapore, Yong Loo Lin School of Medicine / Dept. of Biochemistry, 21 Lower Kent Ridge Road, Singapore 119077 (SG). **XUE, Bo;** c/o National University of Singapore, Yong Loo Lin School of Medicine / Dept. of Biochemistry, 21 Lower Kent Ridge Road, Singapore 119077 (SG). **GO, Maybelle, Darlene, Kho;** c/o National University of Singapore, Yong Loo Lin School of Medicine / Dept. of Biochemistry, 21 Lower Kent Ridge Road, Singapore 119077 (SG). **YEW, Wen Shan;** c/o National University of Singapore, Yong Loo Lin School of Medicine / Dept.

of Biochemistry, 21 Lower Kent Ridge Road, Singapore 119077 (SG).

- (74) **Agent: DOWSING, Bruce, John;** Marks & Clerk Singapore LLP, Tanjong Pagar Post Office, P.O. Box 636, Singapore 910816 (SG).

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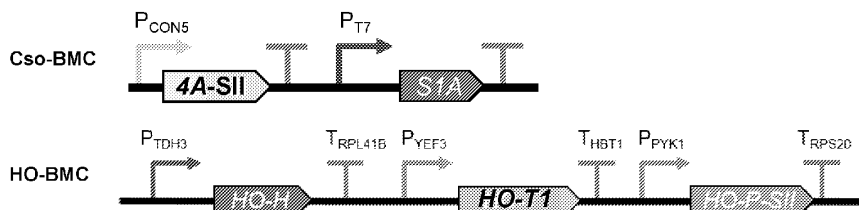
Declarations under Rule 4.17:

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- (54) **Title:** BACTERIAL MICROCOMPARTMENT VIRUS-LIKE PARTICLES

Figure 3

Construct Schematic representation



- (57) **Abstract:** The present invention relates to a method for producing a bacterial microcompartment virus-like particle (VLP) carrying a cargo molecule, the method comprising introducing and expressing in a host cell or organism one or more polynucleotides comprising (a) a first sequence encoding bacterial microcompartment shell protomers and a second sequence encoding a cargo molecule fused to an encapsulation peptide comprising the sequence SKITGSSGNDTQGLITYSGGARG, and forming a microcompartment that encapsulates the cargo molecule, or (b) a first sequence encoding bacterial microcompartment shell protomers and a second sequence encoding at least one of said protomers fused with a cargo molecule or a biochemical tag, and forming a microcompartment that expresses the cargo molecule or biochemical tag on an exterior surface. In one embodiment, the bacterial microcompartment protomers are CsoS1A and CsoS4A from *Halothiobacillus neapolitanus*, or HO-H, HO-P and HO-T1 from *Haliangium ochraceum*.

[Continued on next page]

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