

**PCT REQUEST**

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<b>0</b>	<b>For receiving Office use only</b>	
0-1	International Application No.	<b>PCT/SG2020/050158</b>
0-2	International Filing Date	<b>24 March 2020 (24.03.2020)</b>
0-3	Name of receiving Office and "PCT International Application"	<b>RO/SG</b>
<b>0-4</b>	<b>Form PCT/RO/101 PCT Request</b>	
0-4-1	Prepared Using	<b>ePCT-Filing Version 4.6.012 MT/FOP 20200302/1.1</b>
<b>0-5</b>	<b>Petition</b>	
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
<b>0-6</b>	<b>Receiving Office (specified by the applicant)</b>	<b>Intellectual Property Office of Singapore (RO/SG)</b>
<b>0-7</b>	<b>Applicant's or agent's file reference</b>	<b>SP100880WO</b>
<b>I</b>	<b>Title of Invention</b>	<b>PLACE RECOGNITION</b>
<b>II</b>	<b>Applicant</b>	
II-1	This person is	<b>Applicant only</b>
II-2	Applicant for	<b>All designated States</b>
II-4	Name	<b>AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH</b>
II-5	Address	<b>1 Fusionopolis Way, #20-10, Connexis North Tower, 138632 Singapore Singapore</b>
II-6	State of nationality	<b>SG</b>
II-7	State of residence	<b>SG</b>
II-10	e-mail	<b>mail@marks-clerk.com.sg</b>
II-10(a)	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	<b>exclusively in electronic form (no paper notifications will be sent)</b>
<b>III-1</b>	<b>Applicant and/or inventor</b>	
III-1-1	This person is	<b>Inventor only</b>
III-1-3	Inventor for	<b>All designated States</b>
III-1-4	Name (LAST, First)	<b>YUAN, Miaolong</b>
III-1-5	Address	<b>c/o PKM, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis (South Tower), 138632 Singapore Singapore</b>

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<b>III-2</b>	<b>Applicant and/or inventor</b>	
III-2-1	This person is	<b>Inventor only</b>
III-2-3	Inventor for	<b>All designated States</b>
III-2-4	Name (LAST, First)	<b>LI, Zhengguo</b>
III-2-5	Address	<b>c/o PKM, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis (South Tower), 138632 Singapore Singapore</b>
<b>III-3</b>	<b>Applicant and/or inventor</b>	
III-3-1	This person is	<b>Inventor only</b>
III-3-3	Inventor for	<b>All designated States</b>
III-3-4	Name (LAST, First)	<b>GAO, Wenchao</b>
III-3-5	Address	<b>c/o PKM, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis (South Tower), 138632 Singapore Singapore</b>
<b>III-4</b>	<b>Applicant and/or inventor</b>	
III-4-1	This person is	<b>Inventor only</b>
III-4-3	Inventor for	<b>All designated States</b>
III-4-4	Name (LAST, First)	<b>WAN, Kong Wah</b>
III-4-5	Address	<b>c/o PKM, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis (South Tower), 138632 Singapore Singapore</b>
<b>III-5</b>	<b>Applicant and/or inventor</b>	
III-5-1	This person is	<b>Inventor only</b>
III-5-3	Inventor for	<b>All designated States</b>
III-5-4	Name (LAST, First)	<b>YAU, Wei Yun</b>
III-5-5	Address	<b>c/o PKM, Institute for Infocomm Research, 1 Fusionopolis Way, #21-01, Connexis (South Tower), 138632 Singapore Singapore</b>

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<b>IV-1</b>	<b>Agent or common representative; or address for correspondence</b> The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	<b>Agent</b>
IV-1-1	Name (LAST, First)	<b>POH, Chee Kian, Daniel</b>
IV-1-2	Address	<b>Marks &amp; Clerk Singapore LLP, Tanjong Pagar Post Office, P O Box 636, 910816 Singapore Singapore</b>
IV-1-3	Telephone No.	<b>65 6227 8986</b>
IV-1-4	Facsimile No.	<b>65 6227 3898</b>
IV-1-5	e-mail	<b>mail@marks-clerk.com.sg</b>
IV-1-5(a)	E-mail authorization The receiving Office, the International Searching Authority, the International Bureau and the International Preliminary Examining Authority are authorized to use this e-mail address, if the Office or Authority so wishes, to send notifications issued in respect of this international application:	<b>as advance copies followed by paper notifications</b>
<b>V</b>	<b>DESIGNATIONS</b>	
<b>V-1</b>	<b>The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.</b>	
<b>VI-1</b>	<b>Priority claim of earlier national application</b>	
VI-1-1	Filing date	<b>26 March 2019 (26.03.2019)</b>
VI-1-2	Number	<b>10201902701U</b>
VI-1-3	Country or Member of WTO	<b>SG</b>
<b>VI-2</b>	<b>Priority claim of earlier national application</b>	
VI-2-1	Filing date	<b>28 March 2019 (28.03.2019)</b>
VI-2-2	Number	<b>10201902800S</b>
VI-2-3	Country or Member of WTO	<b>SG</b>
<b>VI-3</b>	<b>Priority document request</b> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	<b>VI-1 VI-2</b>
<b>VI-4</b>	<b>Incorporation by reference :</b> where an element of the international application referred to in Article 11(1)(iii)(d) or (e) or a part of the description, claims or drawings referred to in Rule 20.5(a) is not otherwise contained in this international application but is completely contained in an earlier application whose priority is claimed on the date on which one or more elements referred to in Article 11(1)(iii) were first received by the receiving Office, that element or part is, subject to confirmation under Rule 20.6, incorporated by reference in this international application for the purposes of Rule 20.6.	
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	<b>Intellectual Property Office of Singapore (ISA/SG)</b>

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<b>VIII</b>	<b>Declarations</b>	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	-	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	-	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	-	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	
<b>IX</b>	<b>Check list</b>	Number of sheets	Electronic file(s) attached
IX-1	Request (including declaration sheets)	<b>5</b>	✓
IX-2	Description	<b>51</b>	✓
IX-3	Claims	<b>9</b>	✓
IX-4	Abstract	<b>1</b>	✓
IX-5	Drawings	<b>8</b>	✓
IX-6a	Sequence listing part of the description (also to be used for the purposes of international search)	-	-
IX-7	TOTAL	<b>74</b>	
	<b>Accompanying Items</b>	Paper document(s) attached	Electronic file(s) attached
IX-8	Fee calculation sheet	-	✓
IX-19	Other	<b>Documents in pre-conversion format Statement (Section 706): This is a complete and accurate copy of the international application prior to its conversion into the electronic document format in which it is filed.</b>	✓
IX-20	Figure of the drawings which should accompany the abstract	<b>5</b>	
IX-21	Language of filing of the international application	<b>English</b>	
X-1	Signature of applicant, agent or common representative	<b>/POH, Chee Kian, Daniel/</b>	
X-1-1	Name (LAST, First)	<b>POH, Chee Kian, Daniel</b>	
X-1-3	Capacity (if such capacity is not obvious from reading the request)	<b>Agent</b>	

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10-1	Date of actual receipt of the purported international application	24 March 2020 (24.03.2020)
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/SG
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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