

PCT

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(for several international applications filed under the Patent Cooperation Treaty)

(PCT Rule 90.5)

The undersigned person(s):

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

QUALCOMM Incorporated
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hereby appoint(s) the following person as:



agent



common representative

Name and address

(Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

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to represent the undersigned before



all the competent International Authorities



the International Searching Authority only



the Authority specified for supplementary search: _____

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in connection with any and all international applications filed by the undersigned with the following Office:

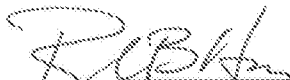
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QUALCOMM Incorporated



Raymond B. Hom
VP, Patent Counsel

Date: 18 Jul 2017