PATENT COOPERATION TREATY

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THIRD PARTY OBSERVATION

(PCT Administrative Instructions Part 8)

Applicant's or agent's file reference 1888-20803	
International application number PCT/US2018/048791	International filing date (day/month/year) 30 Aug 2018 (30/08/2018)
Applicant APPLE INC.	

Third party observation submitted by Kym Moore	Observation submitted on behalf of YouaretheID, LLC
Date of submission(day/month/year) 06 Jun 2019 (06/06/2019)	Language of observation English

Basis and contents of observation

1. The observation is made on the basis of the claims in the international application as filed.
2. The observation comprises:
   References to documents: 1
   Uploaded copies of documents: 1
3. Further explanations:
   Uploaded copies of documents: 0

Citation # 1 (Patent/utility model) (# uploaded documents: 1):

Country code: US	Publication number: 10135822	Document kind code: B2
Patent Applicant/Patent Owner: YOUARETHEID LLC [US]	Title of invention: Biometric authentication of individuals utilizing characteristics of bone and blood vessel structures	
Link to document:		

Publication Date: 20 Nov 2018 (20/11/2018)	Filing Date:	Priority Date: 21 Mar 2017 (21/03/2017)

Source of Abstract:	Accession number:	Publication Date of Abstract:	Retrieval Date of Abstract:

Most relevant passages or drawings: Figure(s) 1A-4C and associated text	Relevant to Claims: 20 and 23

Brief explanation of relevance:

Current independent claim 20 of the 16/132,241 patent application recites a "wearable electronic device" to emit light into a dorsal side of a forearm and receive remissions of the light for "extracting a set of features" from a generated image in order to authenticate a user. Claim 23, depends upon claim 20, and explains that "features" include relationships of a "vascular pattern" or a bone shape pattern." In comparison, the disclosure of the presently submitted prior art, US Pat No 10,135,822, may be material to the current claims as it also concerns biometric authentication of a subject. The process can be performed by a mobile electronic device and uses the modalities of vascular structure matching and/ or bone structure matching.