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<b>APPLICATION NO./ CONTROL NO.</b>	<b>FILING DATE</b>	<b>FIRST NAMED INVENTOR/ PATENT IN REEXAMINATION</b>	<b>ATTORNEY DOCKET NO.</b>
15/900,905	02/21/2018	Kalscheur et al.	1888-20802

<b>Meyertons, Hood, Kivlin, Kowert &amp; G (Apple)</b> P.O. BOX 398 Austin, TX 78767-0398	<b>EXAMINER</b>	
	RAPHAEL SCHWARTZ	
	<b>ART UNIT</b>	<b>PAPER</b>
	2661	20190319

DATE MAILED: \_\_\_\_\_

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner for Patents**

A third-party submission under 37 CFR 1.290 has been filed on March 18, 2019, and is being entered in the above-identified application. Please allow a few days for the submission to be visible in the Patent Application Information Retrieval (PAIR) system.

/KENNETH A WIEDER/  
Quality Assurance Specialist, TC 2600



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Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO. Includes application details for 15/900,905 and examiner information for Schwartz, Raphael M.

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patent\_docketing@intprop.com
ptomhkg@gmail.com

**THIRD-PARTY SUBMISSION UNDER 37 CFR 1.290  
CONCISE DESCRIPTION OF RELEVANCE**

Application Number

15900905

**U.S. PATENTS**

Cite No	Patent Number	Concise Description of Relevance
1	10135822	<p>The 15/900,905 patent application claims recite "encoding at least one of the second images to generate at least one second feature vector, wherein the [sic] second feature vector represents at least one vein feature of the feature of the user in the encoded second image" and "generating a second matching score by comparing the at least one second feature vector to at least one vein reference template for the at least one region of the face of the user." Similarly, the submission of US Pat No 10,135,822 discloses vascular structure matching to reference vertices profiles. Both the reference and claims use vectors to execute matching. Additionally, the '822 reference uses multiple modalities in that vascular structure matching can be combined with bone structure matching, as recited in the '905 claims.</p>

**U.S. PATENT APPLICATION PUBLICATION**

Cite No	Publication Number	Concise Description of Relevance