

UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON, DC

Before The Honorable MaryJoan McNamara
Administrative Law Judge

CERTAIN LIDAR (LIGHT DETECTION
AND RANGING) SYSTEMS AND
COMPONENTS THEREOF

Investigation No. 337-TA-1363

COMMISSION INVESTIGATIVE STAFF'S INITIAL PROPOSED
CONSTRUCTIONS OF DISPUTED CLAIM TERMS

Pursuant to Order No. 6 (Jun. 14, 2023) and Ground Rule 1.14, the Commission Investigative Staff ("Staff") hereby provides its proposed claim constructions. The Staff reserves the right to supplement, modify, or amend its proposed constructions as necessary in response to the proposed constructions of any patent claim terms provided by the Complainant and/or the Respondents, and/or based on further discovery, analysis, investigation, review of newly or yet-to-be produced documents, or the disclosures of any witnesses.

Respectfully submitted,

June 28, 2023

/s/W. Peter Guarnieri

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STAFF'S INITIAL PROPOSED CONSTRUCTIONS

Term	Patents and Asserted Claims	Staff's Proposed Construction
"aperture"	405 Patent, claims 21, 26, 34 381 Patent, claims 6-8, 17 750 Patent, claim 44 236 Patent, claims 8, 14, 19-21, 25	Plain and ordinary meaning, for example, an opening or a hole.
"single photon avalanche diodes (SPADs)"	405 Patent, claims 21, 26 381 Patent, claims 1, 14 750 Patent, claim 44 515 Patent, claims 13, 21, 22 236 Patent, claims 1, 10, 12, 16, 23	A semiconductor photodetector able to detect single photons.
"field of view"	405 Patent, claims 24, 32 381 Patent, claims 1, 14 750 Patent, claim 44 515 Patent, claims 12, 20 236 Patent, claims 11, 13, 14, 16, 20, 21	Plain and ordinary meaning, for example, the extent of the external world (1) whose light is detectable by a photosensor or (2) that is reachable by light from an emitter.
"a first/second/third/fourth optical path to the first/second/third/fourth photosensor through the first/second/third/fourth aperture" (405 Patent) "a first/second/third/fourth optical path that extends between the bulk imaging	405 Patent, claims 21, 26 381 Patent, claim 8 750 Patent, claims 44, 45 236 Patent, claims 14, 19, 20, 21	Plain and ordinary meaning.

optic and the first/second/third/fourth pixel through the first/second/third/fourth aperture” (381 Patent) “a first/second/third/fourth aperture disposed in a first/second/third/fourth optical path extending between the bulk imaging optic and the first/second/third/fourth pixel” (750 Patent) “a first/second optical path that extends through the first/second” (236 Patent) “the first/second/third/fourth pixel is operable to detect photons emitted from the first/second/third/fourth emitter and received through the bulk imaging optic after being reflected from surfaces within the field and passed through the first/second/third/fourth aperture” (236 Patent)		
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“the first aperture is disposed in a first optical path that extends from the bulk imaging optic, through the first aperture to the first pixel (236 Patent)”		
“photosensor”	405 Patent, claims 21, 23-26, 31-34	Plain and ordinary meaning, <i>i.e.</i> a sensor that can include a collection of photodetectors for converting light into electrical signals.
“rotor assembly ... coupled to the rotor circuit board” “rotor assembly coupled to the rotor circuit board” “rotor component coupled to the rotor circuit board assembly” “stator assembly ... coupled to the stator circuit board” “stator assembly coupled to the stator circuit board”	515 Patent, claims 1, 14, 22	Plain and ordinary meaning.
“sleeve”	515 Patent, claims 1, 14, 22	Plain and ordinary meaning, for example a tube that encloses a shaft.

“spaced apart from”	515 Patent, claim 22	Plain and ordinary meaning.
“a plurality of magnetic segments”	515 Patent, claim 22	Plain and ordinary meaning, for example, a plurality of magnets.
“horizontally and vertically offset”	236 Patent, claims 1, 8, 10, 14, 16, 19, 21, 23, 25	Plain and ordinary meaning.
“each pixel in the plurality of pixels traverses a unique circular path parallel to and vertically offset from a unique circular path traversed by every other pixel” “each pixel in the plurality of pixels traverses a unique circular path parallel to and vertically offset from a unique circular path traversed by each other pixel” “each pixel in the plurality of pixels traverses a unique circular path parallel to and vertically offset from a unique circular path traversed by the other pixels”	236 Patent, claims 1, 10, 16, 23	Plain and ordinary meaning.

CERTIFICATE OF SERVICE

The undersigned certifies that on June 28, 2023, he caused the foregoing **COMMISSION INVESTIGATIVE STAFF'S INITIAL PROPOSED CONSTRUCTIONS OF DISPUTED CLAIM TERMS** to be served electronically upon the parties in the manner indicated below:

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