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Bachar et al.

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(54) **DUAL VOICE COIL MOTOR STRUCTURE IN A DUAL-OPTICAL MODULE CAMERA**

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CPC H04N 5/2258; H04N 5/2254; G02B 7/06; G02B 13/003; G03B 2205/0015; G03B 2205/0069
See application file for complete search history.

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(57) **ABSTRACT**

Dual-optical module autofocus (AF) or AF plus optical image stabilization (OIS) cameras with reduced footprint and reduced mutual magnetic interference. Some AF+OIS cameras may include a single AF actuation assembly that moves two lens barrels in unison. Some AF cameras or AF+OIS cameras may have two AF actuation sub-assemblies and associated magnets for independent AF operation of each lens barrel, the magnets shared in a manner that cancels magnetic influences of one AF actuation sub-assembly on the other AF actuation sub-assembly, thereby allow-

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