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OGAWA(10) **Pub. No.: US 2023/0232131 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **IMAGING DEVICE, ENDOSCOPE SYSTEM,
AND IMAGING METHOD***A61B 1/00* (2006.01)*A61B 1/045* (2006.01)(71) Applicant: **OLYMPUS MEDICAL SYSTEMS
CORP.**, Tokyo (JP)(52) **U.S. Cl.**
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1/045 (2013.01)(72) Inventor: **Keisuke OGAWA**, Tokyo (JP)(73) Assignee: **OLYMPUS MEDICAL SYSTEMS
CORP.**, Tokyo (JP)(57) **ABSTRACT**(21) Appl. No.: **18/189,522**(22) Filed: **Mar. 24, 2023****Related U.S. Application Data**(63) Continuation of application No. PCT/JP2020/
036516, filed on Sep. 28, 2020.**Publication Classification**(51) **Int. Cl.**
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An imaging device includes a camera unit and a control unit. A first power source voltage is transferred from the control unit to the camera unit by a power source line and is input into the camera unit as a second power source voltage. The camera unit is configured to output a video signal, a reference signal having a reference voltage, and a voltage signal in accordance with the second power source voltage to a video signal line. The control unit is configured to measure a voltage value of each of the reference signal and the voltage signal. The control unit is configured to calculate a control value of the first power source voltage by using the measured voltage value.

