

Title (en)
SYNCHRONIZED LIGHT SOURCE FOR ROLLING SHUTTER IMAGES

Title (de)
SYNCHRONISIERTE LICHTQUELLE FÜR JALOUSIENBILDER

Title (fr)
SOURCE DE LUMIÈRE SYNCHRONISÉE POUR IMAGEURS DE TYPE À OBTURATEUR ROULANT

Publication
EP 3305030 A1 20180411 (EN)

Application
EP 16804332 A 20160601

Priority
• US 201514729436 A 20150603
• US 2016035271 W 20160601

Abstract (en)
[origin: WO2016196636A1] A lighting system (30) adapted for use with a rolling shutter imagers. The system uniquely provides synchronous operation of a light source (114) in the context of an imager (103) with a "rolling-shutter" -type exposure architecture. The preferred embodiment comprises a lamp such as a LED (114), a drive circuit (112) coupled to the lamp capable of energizing the lamp for switching the lamp on and off, and a lamp control circuit (110) coupled to the drive circuit with a means for receiving a timing signal (201) from an imaging system (20), the lamp control circuit synchronously energizing the lamp with the timing signal via the drive circuit, the timing signal being a line timing signal for a PWM system based on a multiple of lines, a signal indicating a pause in the imager readout, or a signal indicating a portion of the imager readout time when the lamp may safely be flashed on without corrupting the desired active imager lines.

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H05B 47/16 (2020.01 - EP US); **Y02B 20/40** (2013.01 - EP)

Citation (search report)
See references of WO 2016196636A1

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