

## Binary Pixel Portfolio

Country	Publication Number	Patent No.	Title
US	2011-0176019	8319855	METHOD, APPARATUS AND SYSTEM FOR IMAGE ACQUISITION AND CONVERSION
US	2011-0121421	8633996	IMAGE SENSOR HAVING NONLINEAR RESPONSE
US		8648287	IMAGE SENSOR USING SINGLE PHOTON JOTS AND PROCESSOR TO CREATE PIXELS
US	2012-0307121	9001231	IMAGE ACQUISITION USING OVERSAMPLED ONE-BIT POISSON STATISTICS
US	2015-0070544	9001251	OVERSAMPLED IMAGE SENSOR WITH CONDITIONAL PIXEL READOUT
US		9036065	SHARED-COUNTER IMAGE SENSOR
US	2014-0034809	9185311	IMAGE SENSOR WITH A SPLIT-COUNTER ARCHITECTURE
US		9225918	IMAGE SENSOR HAVING SUB-DIFFRACTION-LIMIT PIXELS
US	2014-0054446	9236409	BINARY PIXEL CIRCUIT ARCHITECTURE
US	2014-0158863	9241118	HIGH FILL-FACTOR IMAGE SENSOR ARCHITECTURE
US	2015-0229859	9264639	FEEDTHROUGH-COMPENSATED IMAGE SENSOR
US		9264643	METHODS AND CIRCUITRIES FOR PIXEL SAMPLING
US	2014-0267884	9319605	INCREASING DYNAMIC RANGE USING MULTISAMPLING
US	2014-0293102	9344635	CONDITIONAL-RESET, TEMPORALLY OVERSAMPLED IMAGE SENSOR
US		9380245	CONDITIONAL-RESET IMAGE SENSOR WITH ANALOG COUNTER ARRAY
US	2016-0028974	9432597	LOW-NOISE, HIGH DYNAMIC-RANGE IMAGE SENSOR
US	2014-0175264	9438826	PIXEL STRUCTURE AND RESET SCHEME
US	2014-0313387		IMAGE SENSOR SAMPLED AT NON-UNIFORM INTERVALS
US	2015-0201142		IMAGE SENSOR WITH THRESHOLD-BASED OUTPUT ENCODING
US	2015-0281613		CONDITIONAL-RESET, MULTI-BIT READ-OUT IMAGE SENSOR
US	2015-0373290		IMAGE SENSOR ARCHITECTURE WITH POWER SAVING READOUT
US	2016-0028985		THRESHOLD-MONITORING, CONDITIONAL-RESET IMAGE SENSOR
US	2016-0118424		SPLIT-GATE CONDITIONAL-RESET IMAGE SENSOR
US	2016-0198104		IMAGE SENSOR WITH A SPLIT-COUNTER ARCHITECTURE
US	2016-0198108		IMAGE SENSOR WITH MULTI-RANGE READOUT
US	2016-0234447		IMAGE SENSOR WITH OVERSAMPLED COLUMN OUTPUT
US	2016-0269666		IMAGE SENSOR WITH FEEDTHROUGH-COMPENSATED CHARGE-BINNED READOUT
PCT	WO 2015-183693		OVERSAMPLED HIGH DYNAMIC-RANGE IMAGE SENSOR
PCT	WO 2015-187884		IMAGE SENSOR WITH DEPLETION-LEVEL PIXEL CHARGE TRANSFER CONTROL
PCT	WO 2016-014860		LOW-NOISE, HIGH DYNAMIC-RANGE IMAGE SENSOR
Japan	2013-517728	5746714	METHOD AND APPARATUS FOR IMAGE ACQUISITION AND CONVERSION
EP	2904770		CONDITIONAL-RESET, MULTI-BIT READ-OUT IMAGE SENSOR
EP	2974280		THRESHOLD-MONITORING, CONDITIONAL-RESET IMAGE SENSOR
EP	3008756		SPLIT-GATE CONDITIONAL-RESET IMAGE SENSOR
China	102792671		METHOD AND APPARATUS FOR IMAGE ACQUISITION AND CONVERSION
China	104704812		CONDITIONAL-RESET, MULTI-BIT READ-OUT IMAGE SENSOR
China	105144699		THRESHOLD-MONITORING, CONDITIONAL-RESET IMAGE SENSOR
China	105308747		SPLIT-GATE CONDITIONAL-RESET IMAGE SENSOR
China	105794203		HIGH DYNAMIC-RANGE IMAGE SENSOR