

Patent title:	Solid state image sensor with distributed photomultiplier with high spatial resolution (Sensore di immagine a stato solido con fotomoltiplicatore distribuito ad elevata risoluzione spaziale)
FBK center:	CMM
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Proprietor(s):	Fondazione Bruno Kessler (Bruno Kessler Foundation)
IP status:	Patent pending. Available for license or assignment
Patent family:	—
Application(s):	Automotive, 3D Imaging
Keyword(s):	Image sensors, Time-of-flight, Range Imaging, High spatial resolution, Photon correlation
Abstract:	Object of the present invention is to provide an image sensor for time-of-flight applications able to guarantee a higher spatial resolution with respect to the image sensors of the known art with the same physical dimensions of the sensitive surfaces. One of the distinctive features is the ability to reject background light without penalty in the pixel area.