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| <b>Patent title:</b>          | <b>A method for increasing the dynamic range of an image sensor and circuit architecture of an image sensor configured to implement the aforementioned method</b><br><b>(Un metodo per aumentare l'intervallo dinamico di un sensore d'immagini e architettura circuitale di un sensore di immagine configurata per attuare il suddetto metodo)</b> |
| <b>FBK center:</b>            | CMM   |
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| <b>Application number(s):</b> | IT Patent Application No. 102019000003933 — priority date 2019-03-19  |
| <b>Bibliographic data:</b>    | —   |
| <b>Proprietor(s):</b>         | Fondazione Bruno Kessler (Bruno Kessler Foundation)   |
| <b>IP status:</b>             | Patent pending. Available for license or assignment   |
| <b>Patent family:</b>         | —   |
| <b>Application(s):</b>        | Machine vision, Surveillance, Automotive, Robotics  |
| <b>Keyword(s):</b>            | Image sensors, High dynamic range vision sensors, Low-power vision sensors, Image compression   |
| <b>Abstract:</b>              | The invention relates to a method aimed at increasing the Dynamic Range of an image sensor by controlling the exposure time of each photosensitive element of the array of pixels, thus avoiding saturation or under-exposure conditions. The invention concerns a circuit architecture configured to implement the aforementioned method.          |