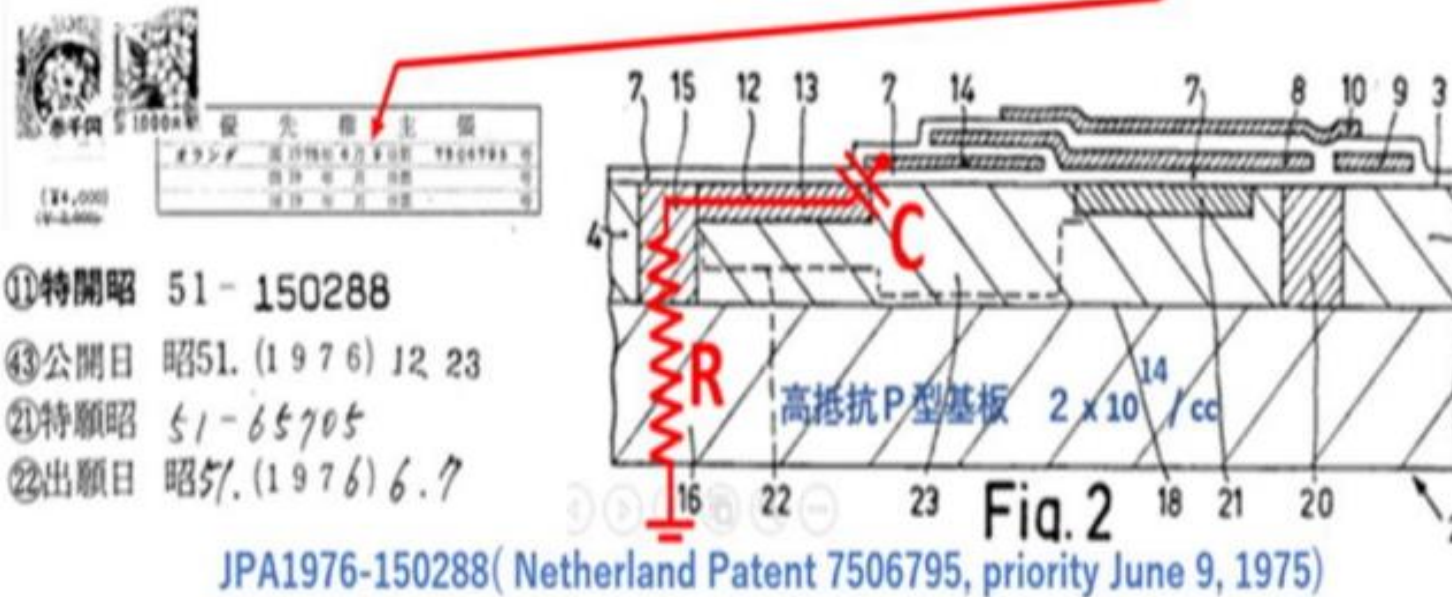


Philips\_invented\_First\_Buried\_Photodiode\_while\_Sony\_invented\_First\_Pinned\_Photodiode

[Who\\_invented\\_Double\\_Junction\\_Buried\\_Photodiode\\_with\\_RC\\_delay\\_time\\_and\\_Image\\_Lag.html](#)

Who invented the First PNP double junction type Buried Photodiode ?

(3) Double Junction type Dynamic Photodiode invented by Philips in June 9, 1975



Philip Engineers in 1975 already understood their Double junction Buried Photodiode would be capable of the complete charge transfer and hopefully would may have the image lag free feature if the RC delay constant was small enough. NEC reported a similar structure in IEDM1982. But the RC time delay was not ignored because the surface P layer was not pinned perfectly to the GND voltage in both cases.