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(54) **Lateral avalanche photodiode device and method of production**

Laterale Lawinenphotodiode und deren Herstellungsverfahren

Photodiode latérale à avalanche et son procédé de fabrication

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(56) References cited:  
**EP-A1- 2 256 810 WO-A2-02/29903**  
**DE-A1- 19 621 965 US-A- 3 886 579**  
**US-B1- 6 707 075**

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• **CHUNG M H ET AL: "LATERAL SI AVALANCHE  
PHOTODIODE FABRICATED OVER AN ETCHED  
INTERDIGITAL MESA", ELECTRONICS  
LETTERS, IEE STEVENAGE, GB, vol. 26, no. 23,  
8 November 1990 (1990-11-08), pages 1946-1947,  
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