

Title (en)  
NIGHT VIEWER AND LASER RANGE FINDER

Title (de)  
NACHTSICHTGERÄT UND LASERSUCHER

Title (fr)  
DISPOSITIF DE VISION NOCTURNE ET TELEMETRE A LASER

Publication  
**EP 1095516 A4 20050622 (EN)**

Application  
**EP 99952140 A 19990517**

Priority  
• US 9911093 W 19990517  
• US 8043798 A 19980518

Abstract (en)  
[origin: WO9960787A1] An integrated night vision device and laser range finder (10) provides both night-time and day-time imaging of a scene by use of an image intensifier tube (14), as well as providing laser range finding operations both day and night. In a laser range finder mode of operation the device (10) projects a pulse of laser light into a scene being viewed, and a power supply and laser range finder circuit (62) of the device (10) temporarily utilizes the image intensifier tube (14) as a sensor to detect reflected laser light. During laser range finding, imaging is cut off for a very short time interval, and a pre-amplifier circuit (66b) associated with the image intensifier tube (10) provides an electrical output signal in response to receipt of laser light reflected from an object in the scene.

IPC 1-7  
**H04N 7/00; G01C 3/08; G02B 5/30**

IPC 8 full level  
**G01C 3/04** (2006.01); **G01C 3/08** (2006.01); **G01C 15/00** (2006.01); **G02B 23/12** (2006.01); **H01J 31/50** (2006.01); **H04N 5/33** (2006.01)

CPC (source: EP)  
**G01C 3/04** (2013.01); **G01C 3/08** (2013.01); **G01C 15/002** (2013.01); **G02B 23/12** (2013.01); **H01J 31/507** (2013.01)

Citation (search report)  
• [A] US 3751166 A 19730807 - STARKEY G, et al  
• [A] US 4915498 A 19900410 - MALEK JOSEPH H [US]  
• [A] US 5329347 A 19940712 - WALLACE ROBERT E [US], et al

Citation (examination)  
• US 4227155 A 19801007 - LERMA JESSE P  
• See also references of WO 9960787A1

Designated contracting state (EPC)  
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**WO 9960787 A1 19991125**; CA 2331424 A1 19991125; CA 2331424 C 20040323; EP 1095516 A1 20010502; EP 1095516 A4 20050622; IL 138684 A0 20011031; IL 138684 A 20040831; IL 158515 A 20080605

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