

Title (en)  
APPARATUS FOR THERMAL IMAGING

Title (de)  
VORRICHTUNG ZUR THERMISCHEN ABBILDUNG

Title (fr)  
APPAREIL DE THERMOGRAPHIE

Publication  
**EP 1588136 A4 20060322 (EN)**

Application  
**EP 04707355 A 20040202**

Priority  
• US 2004002762 W 20040202  
• US 44429203 P 20030131

Abstract (en)  
[origin: WO2004069547A2] A device for thermal imaging of target surfaces includes a housing (12) with an opening (14) for directing incident infrared rays along an optical path through an optical assembly (40) optimized to have a spectral band width of 3 to 14um, onto a UFPA detector (48) having a spectral transmission window (84) which has a bandwidth 3 to 14um sufficient to pass all infrared rays of interest over a broad temperature range. Filter means (44) including at least two filters (78, 80), having a band width in the ranges of 3 to 8um and 8 to 14um, respectively, allow for the placement of either specialized IR filter in the optical path so as to attenuate and/or pass certain wavelengths of the infrared rays depending on the specific application in a broad range between -40°C to 2000°C. The device allows for thermal imaging even in daytime applications in sunlight.

IPC 8 full level  
**G01J 5/00** (2006.01); **G01J 5/60** (2006.01); **G01N 25/72** (2006.01)

CPC (source: EP US)  
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