

Title (en)

OPTICAL SENSOR DEVICE COMPRISING AN OPTICAL ELEMENT AT LEAST PARTIALLY INTEGRATED INTO THE APPLIANCE HOUSING

Title (de)

OPTISCHE SENSORVORRICHTUNG MIT ZUMINDEST TEILWEISE IN DAS GERÄTEGEHÄUSE INTEGRIERTER OPTIK

Title (fr)

DISPOSITIF DE DETECTION OPTIQUE A DISPOSITIF OPTIQUE INTEGRE AU MOINS PARTIELLEMENT DANS LE LOGEMENT DE L'APPAREIL

Publication

**EP 1706992 A1 20061004 (DE)**

Application

**EP 04798201 A 20041112**

Priority

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Abstract (en)

[origin: WO2005067281A1] The invention relates to an optical unit (1) which especially comprises a sensor device and contains a housing (5) surrounding said device, a radiation-sensitive sensor surface (11) for detecting electromagnetic radiation from a frequency section, determined widthways and lengthways, of the spectral region containing the near-infrared region (NIR) and/or the visible region (VIS), and an optical element (3, 9). The aim of the invention is to reduce the cost and means required for fixing a lens to the housing (5), and to obtain a uniform housing surface on the object side. To this end, part (3) of the optical element (3; 9) acting as an optical lens on the object side, or the entire optical element (3) of the device (1), is embodied as an integral component of the housing (5) of the device (1).

IPC 8 full level

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