

Title (en)

DEVICE AND METHOD FOR OPTICALLY MEASURING DISTANCE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR OPTISCHEN DISTANZMESSUNG

Title (fr)

DISPOSITIF ET PROCEDE DE MESURE DE DISTANCE OPTIQUE

Publication

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Application

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Abstract (en)

[origin: WO2006024566A1] The invention relates to a device for optically measuring distance, particularly a device that functions according to the phase measuring principle, comprising at least one emitting unit (12), which has at least one light source (22, 24) for emitting modulated optical measurement radiation (16) toward a target object (20), and comprising a receiving unit (18) for receiving the measurement radiation (17) returning from the target object (20). The invention is characterized in that the device comprises means (51, 55, 68) that make it possible to measure distances from a target object (20') by using a triangulation method. The invention also relates to a method for optically measuring distance during which it is possible to switch between a phase measuring method for determining a distance between a measuring instrument, which serves to measure distance, and a target object (20, 20'), and a triangulation method for determining this distance.

IPC 8 full level

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