

Title (en)

IMAGING DEVICE FOR RECORDING DEPTH

Title (de)

TIEFENERFASSENDE BILDGEBENDE VORRICHTUNG

Title (fr)

DISPOSITIF D'IMAGEUR A ACQUISITION DE PROFONDEUR

Publication

EP 1470434 A2 20041027 (DE)

Application

EP 03706242 A 20030120

Priority

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Abstract (en)

[origin: WO03060426A2] The invention relates to a device for determining the distance of an object in local resolution mode, using a frequency-shifted feedback radiation source for irradiating the object with radiation that can be used to determine distance and using a position-sensitive object recording sensor. According to the invention, the frequency-shifted feedback laser for irradiating the object is equipped with an element for increasing the beat intensity of the emission frequency component and the position-sensitive object recording sensor is configured to record the beat intensity of the object and not the incoming radiation from the object.

IPC 1-7

G01S 17/32; **G01S 7/491**

IPC 8 full level

G01B 11/00 (2006.01); **G01C 3/06** (2006.01); **G01S 7/4911** (2020.01); **G01S 17/34** (2020.01); **H01S 3/067** (2006.01); **H01S 3/083** (2006.01); **H01S 3/106** (2006.01); **H01S 3/23** (2006.01); **G01S 17/89** (2020.01)

CPC (source: EP US)

G01S 7/4814 (2013.01 - EP US); **G01S 7/4818** (2013.01 - EP US); **G01S 7/4911** (2013.01 - EP US); **G01S 17/34** (2020.01 - EP US); **H01S 3/06791** (2013.01 - EP US); **H01S 3/083** (2013.01 - EP US); **H01S 3/10092** (2013.01 - EP US); **G01S 17/89** (2013.01 - EP US)

Citation (search report)

See references of WO 03060426A2

Citation (examination)

JP H1082858 A 19980331 - ITO HIROMASA, et al

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