

Title (en)

LASER VELOCIMETER AND RANGE FINDER USING COHERENT DETECTION

Title (de)

KOHÄRENTE DETEKTION GEBRAUCHENDER LASERGESCHWINDIGKEITS- UND -ENTFERNUNGSMESSER

Title (fr)

VELOCIMETRE ET TELEMETRE LASER UTILISANT UNE DETECTION COHERENTE

Publication

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Application

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Priority

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Abstract (en)

[origin: FR2754605A1] The invention concerns a device for measuring velocity using coherent detection comprising: an active laser medium (10); an input mirror (M1) and a first output mirror (M3), defining, with the laser medium a first resonant cavity, of quality factor Q_{\max} for transmitting a laser beam (4); a second output mirror (M2) defining, with the active laser medium (10) and the input mirror (M1), a second resonant cavity, of quality factor Q_{\min} ($< Q_{\max}$), for amplifying a measurement signal coming from a target having intercepted the transmitted laser beam (4) by means of the first resonant cavity.

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IPC 8 full level

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