

Title (en)

BEAM-SPLITTING ELEMENT FOR DIVIDING A LIGHT BEAM AND DEVICE COMPRISING SAID ELEMENT USED FOR MEASURING A PERIODICALLY FLUCTUATING MAGNETIC FIELD

Title (de)

STRAHLTEILERKÖRPER ZUM AUFSPALTEN EINES LICHTSTRAHLS UND ANORDNUNG ZUR MESSUNG EINES PERIODISCH SCHWANKENDEN MAGNETFELDES MIT EINEM SOLCHEN STRAHLTEILERKÖRPER

Title (fr)

ELEMENT SEPARATEUR DE FAISCEAUX SERVANT A DIVISER UN FAISCEAU LUMINEUX ET DISPOSITIF POUR MESURER UN CHAMP MAGNETIQUE FLUCTUANT DE FA ON PERIODIQUE, AU MOYEN DUDIT ELEMENT

Publication

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Application

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Abstract (en)

[origin: WO9900680A1] The present invention relates to a beam-splitting element (1) which is placed in the light beam (L) unlike traditional beam-splitting cubes. The light beam (L) penetrating into the beam-splitting element (1) through a refraction surface (10) will thus impinge on the partially transparent surface (11) at an incidence angle (  $\beta$  ) of less than 45 DEG and preferably less than 22.5 DEG . This element is characterised by its polarisation neutrality and by the fact that it is not sensitive to temperature. The element of the present invention can be used advantageously in current transformers that include a retro-reflection device.

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