

Title (en)
NON-LUMINOUS-PHOTONS-INTO-LUMINOUS-PHOTONS CONVERTER AND NON-DESTRUCTIVE TESTING APPARATUS USING SUCH A CONVERTER

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Application
EP 80401179 A 19800812

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Abstract (en)
[origin: ES8106210A1] The invention relates to a converter for converting non-luminous, so-called input photons such as X or gamma photons, into luminous photons, and to an installation for the non-destructive inspection of a material, employing this converter. The converter comprises a layer of luminophore disposed on the path of said non-luminous photons and, upstream of said layer of luminophore, with respect to the direction of displacement of the non-luminous photons, a metal foil in which said non-luminous photons are converted into non-luminous photons of lower energy, by collision (Compton effect) of said input photons on electrons of said metal foil. The invention is more particularly applicable to the non-destructive inspection of concrete structures.

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G21K 4/00; **H01J 29/38**

IPC 8 full level
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