

Title (en)

ULTRAVIOLET LIGHT ILLUMINATION AND VIEWING SYSTEM AND METHOD FOR FLUORESCENT DYE LEAK DETECTION

Title (de)

ULTRAVIOLET-LICHT-BELEUCHTUNGS- UND BETRACHTUNGSSYSTEM UND VERFAHREN ZUR DETEKTION VON LECKAGEN VON FLUORESZENZFARBSTOFF

Title (fr)

SYSTEME D'ECLAIRAGE ET DE MISE EN EVIDENCE EN ULTRAVIOLET ET PROCEDE DE DETECTION DE FUITES PAR COLORANT FLUORESCENT

Publication

EP 0983522 A1 20000308 (EN)

Application

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Priority

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Abstract (en)

[origin: WO9820365A1] An illumination and viewing system and method for detecting leaks by observing material (26) caused to fluoresce by being illuminated by a beam of ultraviolet light. The beam is concentrated by a parabolic reflector (10) coated to maximize ultraviolet reflection, and then passed through a filter (20) which reflects visible wavelengths while allowing transmission of ultraviolet and IR wavelengths. The fluorescing light is viewed through eyeglasses (24) which block wavelengths just below the wavelengths of the emitted fluorescing light.

IPC 1-7

G01T 1/161; **G01N 21/64**

IPC 8 full level

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