

Title (en)  
DEVICE FOR INSPECTING TRANSPARENT OBJECTS AND/OR OBJECTS PROVIDED ON ONE SIDE WITH AN OPAQUE COATING FOR MATERIAL DEFECTS

Title (de)  
VORRICHTUNG ZUR PRÜFUNG TRANSPARENTER UND/ODER EINSEITIG OPTISCH UN DURCHSICHTIG BESCHICHTETER OBJEKTE AUF MATERIALFEHLER

Title (fr)  
DISPOSITIF DE DETECTION DE DEFAUTS DU MATERIAU DONT SONT CONSTITUES DES OBJETS TRANSPARENTS ET/OU POURVUS D'UN SEUL COTE D'UN REVETEMENT OPAQUE

Publication  
**EP 0797766 A1 19971001 (DE)**

Application  
**EP 95940128 A 19951205**

Priority  
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• DE 4444165 A 19941212

Abstract (en)  
[origin: DE4444165A1] A device for checking transparent and/or semi-transparent objects (6), such as flat glass and/or plastic articles, for scratches, impurities or similar material defects essentially consists of a punctual light source (1), an optic (3) that widens the light into a beam with a homogeneous profile, and a ground-glass screen (7) that makes it possible to picture any material defects that may be present in the object (6). The optic (3) is designed to project co-linear to slightly diverging light onto the object (6), so that only contrasting factors that are caused by a change in the index of refraction of the material are pictured. The punctual light source (1) may be a white light source or a laser light source. It may be desirable for the measurement device that monochromatic light be projected onto the object.

IPC 1-7  
**G01N 21/88**

IPC 8 full level  
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CPC (source: EP)  
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