

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 DEFAULTS 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

- DE 9501721 W 19951205
- 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
G01N 21/88 (2006.01); **G01N 21/958** (2006.01)

CPC (source: EP)
G01N 21/8803 (2013.01); **G01N 21/958** (2013.01)

Citation (search report)
See references of WO 9618882A1

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
DE 4444165 A1 19960613; EP 0797766 A1 19971001; WO 9618882 A1 19960620

DOCDB simple family (application)
DE 4444165 A 19941212; DE 9501721 W 19951205; EP 95940128 A 19951205