

Title (en)
APPARATUS AND METHOD FOR CHECKING DOCUMENTS

Publication
EP 0466119 A3 19970416 (DE)

Application
EP 91111438 A 19910709

Priority
DE 4022020 A 19900711

Abstract (en)
[origin: JPH04288697A] PURPOSE: To optically inspect a document in at least two spectrum areas with low costs without using a filter by providing at least one light inducing mechanism equipped with a fluorescent material. CONSTITUTION: A fluorescent material 3 is made of a plastic material on which fluorescent coloring agent is uniformly diffused. A light from a fluorescent tube 4 arranged at the side part of a board 3 is spread into the board 3, and absorbed by the coloring agent. Then, fluorescence with long wave length is emitted from the absorbed light. A second illuminating means 5 constituted of a light emitting diode is arranged at the very upper part of an entrance edge 7 of the board 3. The light of two spectrum sources is separated from the board 3 at an exist edge 9 by full reflection in the board 3, and a bank bill 1 is illuminated. The light diffused and reflected from the bank bill 1 is detected by detectors 13 and 14. Also, the light transmitted through the bank bill 1 is detected by a detector 15. A switching adjusting device which adjusts on/off and brightness is connected with the fluorescent tube 4 and a light emitting diode 5.

IPC 1-7
G07D 7/00

IPC 8 full level
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CPC (source: EP US)
G07D 7/12 (2013.01 - EP US); **G07D 7/121** (2013.01 - EP US)

Citation (search report)
• [A] EP 0077917 A2 19830504 - LANDIS & GYR AG [CH]
• [A] DE 2631403 A1 19780119 - HOPT RUDOLF
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