

Title (en)

SCANNER UTILIZING LIGHT PIPE WITH DIFFUSER

Title (de)

SCANNER MIT EINEM LICHTLEITER MIT DIFFUSOR

Title (fr)

LECTEUR OPTIQUE A FIBRE OPTIQUE EQUIPEE D'UN DIFFUSEUR

Publication

EP 1266342 A1 20021218 (EN)

Application

EP 01911199 A 20010227

Priority

- US 0106399 W 20010227
- US 51724000 A 20000302

Abstract (en)

[origin: WO0165469A1] A scanner that can include a light source (3810) emitting light through a light pipe (3820) to a detector array. The light pipe can include a reflective surface (3822) and a diffuser (3824). The reflective surface can reflect light (3815), directly or indirectly towards the diffuser and the diffuser can diffuse the light out of the light pipe. The light pipe can further include a reflective groove that reflects light from the reflective surface towards the diffuser. The diffuser can diffuse the light to an object that reflects the light to the detector array. The object may be a bar code, paper money, or any other object that can be scanned. The diffuser may be a variable diffuser.

IPC 1-7

G06K 7/10; **G06K 7/14**; **G06K 7/00**

IPC 8 full level

G02B 27/00 (2006.01); **G03H 1/04** (2006.01); **G03H 1/22** (2006.01); **G06K 7/10** (2006.01); **G06K 19/06** (2006.01); **G06V 30/224** (2022.01); **H01L 33/00** (2010.01); **H01L 33/58** (2010.01)

CPC (source: EP KR)

G06K 7/10 (2013.01 - KR); **G06K 7/10722** (2013.01 - EP); **G06K 7/10732** (2013.01 - EP); **G06K 7/10742** (2013.01 - EP)

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