

Title (en)

DEVICE AND METHOD FOR OPTICAL PACKAGE FOR PROVIDING FEEDBACK

Title (de)

VERFAHREN UND VORRICHTUNG ZUR RÜCKKOPPLUNG IN EINER OPTISCHEN BAUGRUPPE

Title (fr)

DISPOSITIF ET PROCEDE DE CONSTITUTION D'UN PAQUET OPTIQUE EN VUE D'UNE RETROACTION

Publication

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Application

EP 97934097 A 19970711

Priority

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Abstract (en)

[origin: WO9802719A1] The present invention provides a device (200, 300) and a method (100) for providing optical feedback for an optical package. The device includes: an optical emitter (202), responsive to an electrical input current (208), for generating a beam of light; a partially reflective holographic optical element/reflector (204), arranged to allow a first predetermined portion of the beam to exit the partially reflective holographic optical element/reflector and to diffract a second predetermined portion of the beam to an optical sensing unit (206); and the optical sensing unit, arranged to receive the second predetermined portion of the beam, for generating feedback for adjusting the electrical input current to the optical emitter based on a received optical power of the second predetermined portion of the beam.

IPC 1-7

G01J 1/32; **G06K 7/10**

IPC 8 full level

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CPC (source: EP KR)

G01J 1/32 (2013.01 - KR); **G06K 7/10831** (2013.01 - KR); **G06K 7/10851** (2013.01 - EP); **H01S 5/183** (2013.01 - KR); **G06K 2207/1015** (2013.01 - EP); **G06K 2207/1018** (2013.01 - EP); **H01S 5/02212** (2013.01 - EP); **H01S 5/02257** (2021.01 - EP); **H01S 5/0264** (2013.01 - EP); **H01S 5/0683** (2013.01 - EP); **H01S 5/183** (2013.01 - EP)

Citation (search report)

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- [E] EP 0786839 A1 19970730 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 234 (E - 344) 20 September 1985 (1985-09-20)
- See references of WO 9802719A1

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