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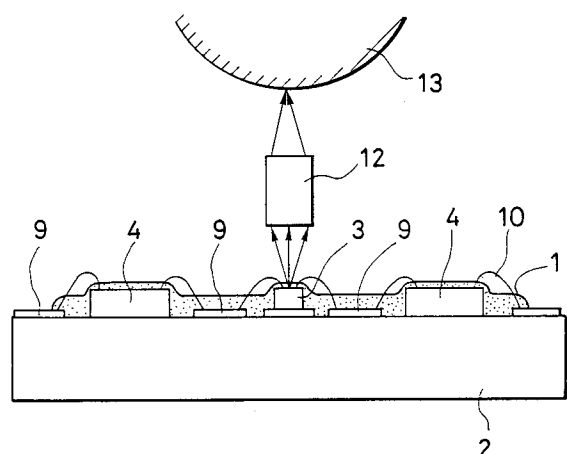
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(54) **Optical print head.**

(57) An optical print head comprises light-emitting elements (3) disposed on a substrate (2) having a light-emitting surface opposite to the substrate (2), and a transparent mold member (11) covering the light-emitting elements (3) and the surface of the substrate (2) at the area surrounding the areas where the light-emitting elements (3) are disposed. The surface of the mold member (11) is more recessed toward the substrate (2) at the neighboring area than at the areas where the light-emitting elements (3) are disposed and covered with the mold member (11). Because the light-emitting elements (3) are covered with the mold member (11), any corrosion thereof is prevented. Moreover, since the mold member (11) is transparent, any light emitted from the light-emitting elements (3) is not absorbed. Furthermore, degradation in recording quality due to scattering and multiple reflection of the light emitted from the light-emitting elements (3) toward the inside of the transparent mold member (11), and unnecessary leakage is avoided, so that an optical print head with a high recording quality is obtained.

**FIG. 1**



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## EUROPEAN SEARCH REPORT

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### DOCUMENTS CONSIDERED TO BE RELEVANT

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.5 )
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	PATENT ABSTRACTS OF JAPAN vol. 12, no. 152 (M-695)11 May 1988 & JP-A-62 271 765 ( KYOCERA ) 26 November 1987 * abstract *  ---	1-5	B41J2/45 G06K15/12
A	DE-A-3 541 790 (HITACHI) * page 14, line 1 - page 15, line 20; figures 7,8 *  ---	1-5	
A	XEROX DISCLOSURE JOURNAL vol. 10, no. 6, November 1985, pages 313 - 320; J.DANIELE: 'High resolution, high efficiency infrared LED printing array and fabrication method.'  ---	1	
A	PATENT ABSTRACTS OF JAPAN vol. 9, no. 118 (E-316)23 May 1985 & JP-A-60 007 185 ( RICOH ) 14 January 1985 * abstract *  ---		TECHNICAL FIELDS SEARCHED (Int. Cl.5 )
A	US-A-4 605 944 (ISHII)  ---		
A	US-A-4 734 723 (ISHITOBI)  -----		B41J G06K
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18 JUNE 1992	Examiner ADAM E. M. P.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	