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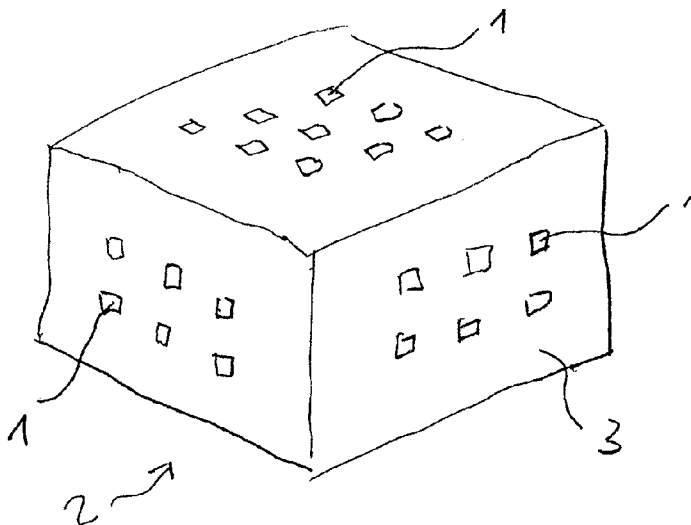
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(54) Title: LIGHT TRANSMITTING THREE-DIMENSIONAL OBJECT AND METHOD FOR MANUFACTURING THE SAME



(57) Abstract: The invention relates to a light transmitting three-dimensional object (2) comprising substantially non-transparent solid material (3) and inserts embedded in the substantially non-transparent solid material (3), at least one of the inserts is a transparent element (1), the surface of the light transmitting three-dimensional object (2) is partly formed by a part of the surface of the at least one transparent element (1), at least two of the inserts are fastened to each other forming together a skeleton (5) for the substantially non-transparent solid material (3) and at least one of the inserts forming the skeleton (5) is a transparent element (1). The invention also relates to a method for manufacturing a light transmitting three-dimensional object (2).

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# INTERNATIONAL SEARCH REPORT

International application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. E04C1/42 E04C2/54 E04F13/14 F21V33/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
E04C B28B F21S B29C E04B E04F F21V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 1 500 249 A (SIMON, ANDRÉ PAUL MARIE) 3 November 1967 (1967-11-03)	1-5, 7-15, 17-20
A	the whole document	6,16
X	GB 2 400 433 A (PAUL DAYAN * METCALFE; RODNEY JOHN * ROGERS) 13 October 2004 (2004-10-13)	1-5, 11-15
Y	page 4, line 20 - page 5, line 3	6,16
Y	US 3 904 866 A (HAYES ET AL) 9 September 1975 (1975-09-09) abstract; figure 4	6,16
X	DE 203 14 228 U1 (STEULER FLIESEN GMBH) 13 November 2003 (2003-11-13) abstract; figures 4a,4b	1
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See patent family annex.

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Date of the actual completion of the international search

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 203 19 314 U1 (EVERGLOW GMBH) 18 March 2004 (2004-03-18) abstract; figure 1 -----	1
A	US 3 091 899 A (BORDLEIN HANS) 4 June 1963 (1963-06-04) column 3, line 2 - column 4, line 22; figures 1-5 -----	1-20
A	DE 25 32 964 A1 (KAHNWALD, HEINZ; KAHNWALD, HEINZ, 2860 OSTERHOLZ-SCHARMBECK, DE) 10 February 1977 (1977-02-10) claim 1; figures 1,2 -----	1,11
A	DE 11 07 579 B (DIPL.-KFM. LISELOTTE UNGERS) 25 May 1961 (1961-05-25) figure 5 -----	6,16

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
FR 1500249	A	03-11-1967	NONE	
GB 2400433	A	13-10-2004	NONE	
US 3904866	A	09-09-1975	NONE	
DE 20314228	U1	13-11-2003	NONE	
DE 20319314	U1	18-03-2004	NONE	
US 3091899	A	04-06-1963	NONE	
DE 2532964	A1	10-02-1977	NONE	
DE 1107579	B	25-05-1961	NONE	