



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/DK95/00289</p> <p>(22) International Filing Date: 6 July 1995 (06.07.95)</p> <p>(30) Priority Data: 0815/94 6 July 1994 (06.07.94) DK</p> <p>(71)(72) Applicant and Inventor: JENSEN, Jesper, Rye [DK/DK]; Vordingborgvej 80, DK-4700 Næstved (DK).</p> <p>(74) Agent: HOFMAN-BANG & BOUTARD A/S; Adelgade 15, DK-1304 Copenhagen K (DK).</p>		<p>(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).</p> <p>Published <i>With international search report. In English translation (filed in Danish).</i></p>
<p>(54) Title: AN EXCHANGEABLE FRAME FOR PHOTOGRAPHS, POSTERS AND THE LIKE</p>		
<p>(57) Abstract</p>		
<p>An exchangeable frame for photographs, posters and the like comprises a moulding (10) which is formed by a plurality of interconnected sections (10a, 10b, 10c, 10d). The free ends of the moulding have bevel cuts (14), and angular incisions (15) are provided between the sections of the moulding, enabling the moulding to be bent and its interconnected sections to be placed around the edges of a photograph so that the sides of the incisions (15) are brought together at the corners of the photograph, and the bevel cuts (14) in the free ends of the moulding adjoin each other at one of the corners of the photograph. The free ends of the moulding are releasably joined at the corner concerned of the photograph by a self-adhesive means (17), and one of the sections (10b) of the moulding is attached to a backing layer (13).</p>		

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An exchangeable frame for photographs, posters and the like

5 The invention concerns an exchangeable frame for photographs, posters and the like and of the type defined in the introductory portion of claim 1.

10 Such a frame is known from SE-B-461 816, where the frame is welded or glued at the corners, so that this frame is permanently mounted and is not exchangeable.

15 DE-A-2 411 314 discloses a similar frame whose moulding is likewise assembled permanently.

GB-A-2 079 598 discloses a frame consisting of individual mouldings.

20 The object of the invention is to provide a frame of the present type which is exchangeable. This object is achieved by the technical features in the characterizing portion of claim 1.

25 The invention will be explained more fully below with reference to the drawings, in which

fig. 1 shows a frame of the invention before it is assembled,

30 fig. 2 is a sectional view of an edge area of the frame of the invention,

fig. 3 shows a frame of the invention with its possible components, and

fig. 4 is a rear view of a frame of the invention in the assembled state.

The frame of the invention has a moulding 10 with a channel 11 adapted to receive the edge areas of a rectangular photograph which is positioned between a front glass 12 and a stiffening backing layer 13 of cardboard, board or the like. The moulding 10 is adapted to exert a slight clamping force on the front glass 12, the backing layer 10 13 and the photograph between these. The moulding 10 has a plurality of interconnected rectilinear sections 10a, 10b, 10c and 10d, each of which has a length corresponding to respective edge lengths of the photograph. The free ends of the moulding 10 have bevel cuts 14 forming angles of 45° with the longitudinal direction of the 15 moulding, and angular incisions 15 are provided between respective pairs of the moulding sections 10a, 10b, 10c and 10d; each of the sides of the incisions forms an angle of 45° with the longitudinal direction of the section concerned of the moulding 10. 20

Fig. 3 shows a frame having a backing layer 13 which is attached to the section 10b of the moulding 10 e.g. by gluing, which significantly facilitates the assembly of 25 the frame. A photograph 16 is placed on front of the backing layer 13, and then a front glass 12 is placed in front of the photograph such that the backing layer 13, the photograph 16 and the front glass 12 are positioned in the channel 11 in the section 10b of the moulding 10. 30 Then the frame is assembled by bending the other sections 10a, 10c and 10d of the moulding at the corners with the angular incisions 15, so that the channels 11 in the four sections of the moulding receive edge areas of the backing layer 13, the photograph 16 and the front glass 12.

When the frame has thus been assembled, a self-adhesive wafer 17 is applied to the rear side of the moulding, as shown in fig. 4, so that the wafer 17 fixes the free ends of the moulding and thereby keep the frame together. The wafer 17 is provided with such an adhesive as causes the wafer to be removable, so that the frame may be opened and the photograph 16 may be exchanged. Optionally, as shown in fig. 4, the wafer may extend inwardly over the backing layer 13 and fix the free ends of the moulding with respect to the backing layer.

P a t e n t C l a i m s :

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1. An exchangeable frame for photographs, posters and
5 the like and comprising a moulding (10) with channels
(11) adapted to receive edge areas of a polygonal photo-
graph (16) and optionally a front glass (12) and a stiff-
ening backing layer (13) on respective sides of the pho-
10 tograph (16), said moulding (10) being formed by a plu-
rality of interconnected sections (10a, 10b, 10c, 10d)
each of which has a predetermined length corresponding to
an edge length of a photograph of a specific format for
which the frame is intended, said moulding (10) having
bevel cuts (14) on its free ends and, between its free
15 ends, angular incisions (15) which define the intercon-
nected sections (10a, 10b, 10c, 10d) so that the moulding
(10) may be bent and its respective sections (10a, 10b,
10c, 10d) are placed around respective ones of the edges
of the photograph (16), whereby the sides of the inci-
20 sions (15) are brought together at the corners of the
photograph, and the bevel cuts (14) of the free ends of
the moulding adjoin each other at one of the corners of
the photograph,
- 25 c h a r a c t e r i z e d in that the free ends of the
moulding are releasably joined at the corner concerned of
the photograph (16).
2. A frame according to claim 1, c h a r a c t e r -
30 i z e d in that the free ends of the moulding are kept
together by a self-adhesive means (17).
3. A frame according to claims 1-2 and comprising a
backing layer (13), c h a r a c t e r i z e d in that
35 one of the sections (10b) of the moulding is attached to
the backing layer (13).

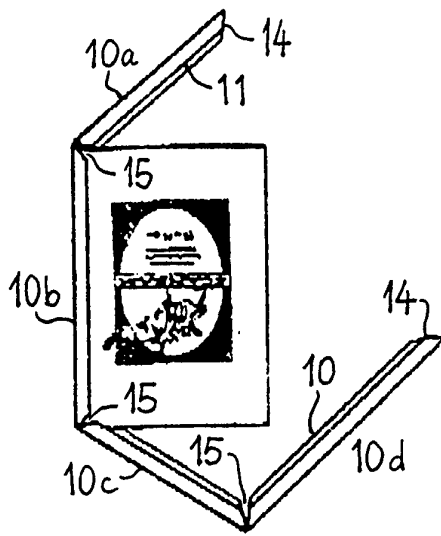


Fig. 1

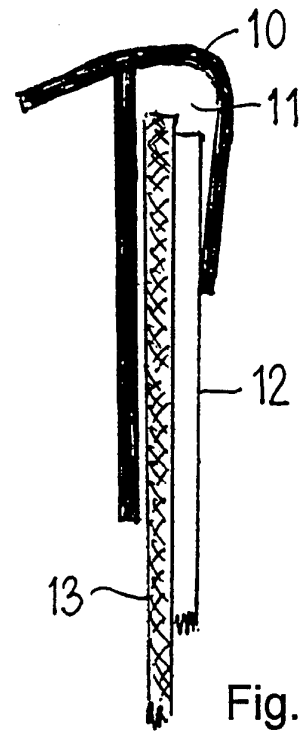


Fig. 2

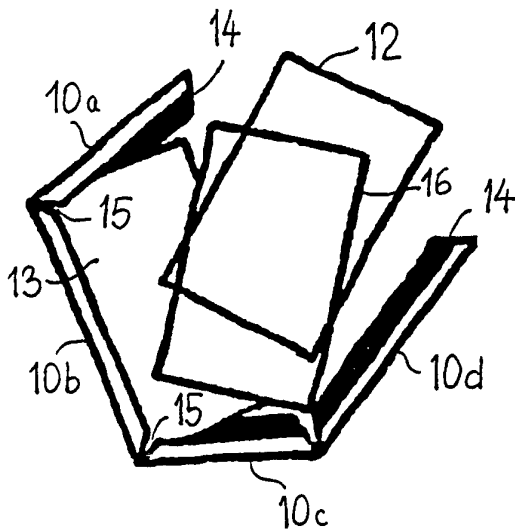


Fig. 3

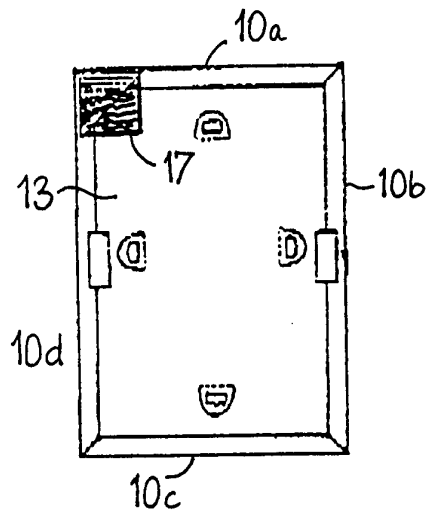


Fig. 4

INTERNATIONAL SEARCH REPORT

International application No.

PCT/DK 95/00289

A. CLASSIFICATION OF SUBJECT MATTER		
IPC6: A47G 1/06 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)		
IPC6: A47G		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
SE,DK,FI,NO classes as above		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 2079598 A (HIROAKI YASUDA), 27 January 1982 (27.01.82), figure 2, claims 1-7 --	1-3
A	DE 2411314 A1 (BENDIX MOULDINGS, INC.), 25 Sept 1975 (25.09.75), figures 1,2, claims 1-7 --	1-3
X,Y	SE 461816 B (HANS SJÖGREN), 26 March 1990 (26.03.90), figure 3, claims 1-7 -- -----	1-3
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search		Date of mailing of the international search report
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Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86		Authorized officer Agneta Änggård Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT
Information on patent family members

28/08/95

International application No.
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB-A- 2079598	27/01/82	DE-A- 3109858 FR-A- 2485904 JP-A- 57020359	28/01/82 08/01/82 02/02/82
DE-A1- 2411314	25/09/75	NONE	
SE-B- 461816	26/03/90	SE-A- 8803480	30/09/88