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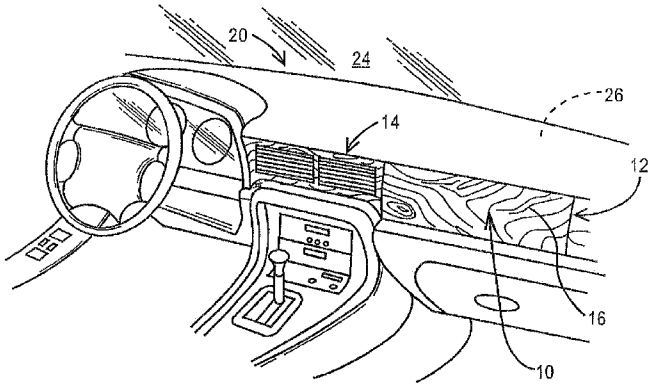
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(54) Title: IN-MOLD LAMINATION OF DECORATIVE PRODUCTS



(57) Abstract: A method of manufacturing decorative plastic composites having a decorative layer, a backing layer and a clear outer layer which provides exceptional "depth of image" is disclosed. Decorative or protective appliqués' having a wide range of decorative patterns may be formed by injection molding a backing layer behind and a clear outer layer on the top surface of a thin foil, film, fabric or veneer. A method is also disclosed for coating the exposed surface of the decorative layer between injection of the backing and outer layers to impart a desired visual effect or repair the surface.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 07/78802

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - B29C 45/00 (2008.01)
USPC - 264/255, 264/328.8, 264/494
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)
USPC -- 264/255, 264/328.8, 264/494

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 practicable, search terms used)
PubWEST -- PGPB,USPT,USOC,EPAB,JPAB; Dialog Classic Files ? 654, 652, 351, 349, 315, 2, 6, 35, 65, USPTO Web Page, Google Scholar; Search terms -- appliqu?, decorative, backing, layers, mold core, mold cover, injection molding, plastic, coating, wood veneer, solidifying, UV radiation, composite, roll

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	WO 2005/070647 A1 (NEITZKE et al.) 04 August 2005 (04.08.2005) pg 1, ln 5, 7-8, 25-32; pg 3, ln 29; pg 4, ln 2-7, 13-23, pg ln 4-11; pg 5, ln 7-19, pg 6, ln 15-16; pg 7, ln 14, 19, 22, 29-31, 33, 34; pg 8, ln 22, 23, 25-29, 31, 32, 34; pg 9, ln 15, 25, 32, 34; pg 11, ln 6	1-4, 11-14, 21-25 ---------- 5-10, 15-20, 26-30
Y	US 2004/0110895 A1 (ANDERSON et al.) 10 June 2004 (10.06.2004) para [0013], [0093], [0203]	5, 7, 15, 17, 26, 28
Y	US 2002/0157772 A1 (ENLOW et al.) 31 October 2002 (31.10.2002) para [0021], [0028]	6, 10, 16, 20, 27
Y	US 2003/0044598 A1 (BERG et al.) 06 March 2003 (06.03.2003) para [0002], [0010], Abstract	8, 9, 18, 19, 29, 30

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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