

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
12 April 2001 (12.04.2001)

PCT

(10) International Publication Number
WO 2001/025872 A3

(51) International Patent Classification:
G06K 19/00 (2006.01)

(71) Applicant: **PERFECT PLASTIC PRINTING CORPORATION** [US/US]; 345 Kautz Road, St. Charles, IL 60174 (US).

(21) International Application Number:
PCT/US2000/027004

(72) Inventor: **KIEKHAEFER, John, H.**; Apt. 34, 303 Stradford Place, Bloomington, IL (US).

(22) International Filing Date:
29 September 2000 (29.09.2000)

(74) Agent: **GASTEL, Joseph, P.**; Suite 722, 295 Main Street, Buffalo, NY 14203-2507 (US).

(25) Filing Language: English

(84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

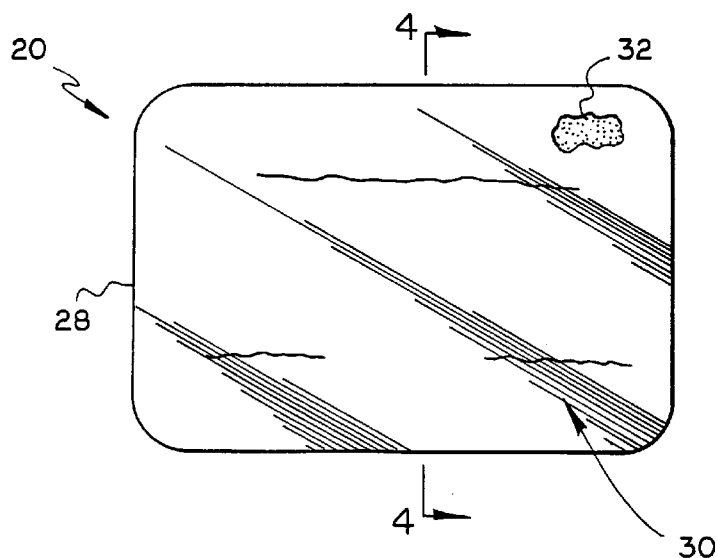
(26) Publication Language: English

Published:
— with international search report

(30) Priority Data:
09/411,359 1 October 1999 (01.10.1999) US
09/449,251 24 November 1999 (24.11.1999) US

(88) Date of publication of the international search report:
20 March 2008

(54) Title: **TRANSPARENT/TRANSLUCENT FINANCIAL TRANSACTION CARD**



(57) Abstract: A financial transaction card (20) is transparent or translucent to human viewing yet detectable by automated card processing equipment. The card includes a substantially planar material sheet (22) having upper (24) and lower (26) surfaces bounded by a continuous peripheral edge (28). The material sheet (22) has one or more areas (30) that are at least minimally transparent or translucent to human viewing. A filter (32) associated with at least one of the areas provides sufficient opacity to light used by card sensors in the automated card processing equipment to render the card (20) detectable.



WO 2001/025872 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/27004

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :G06K 19/00

US CL :235/478

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)

U.S. : 235/478, 468, 488, 491; 902/25, 29

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)

APS, USPAT, EPO, JPO, DERWENT, IBM TDB

search terms: card, transparent, translucent, transmit, light, transmissive, clear, filter, coating, dye

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,536,894 A (Travioli) 27 October 1970, (27/10/70) figures 3, 4, 10, column 2, lines 27-72, column 3, lines 1-4, 45-61.	1, 9, 10, 15, 16, 24, 25, 30, 31
-----		-----
Y		2-8, 11-14, 17-23, 26-29, 32-90
X	US 3,836,754 A (Toye et al.) 17 September 1974, (17/09/74) figures 1-9, column 1, lines 6-16, column 2, lines 22-39, column 3, lines 30-68, column 4, lines 1-13, 32-58, column 5, lines 1-43, column 6, lines 48-62.	1, 9, 10, 15, 16, 24, 25, 30, 31
-----		-----
Y		2-8, 11-14, 17-23, 26-29, 32-90

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

01 DECEMBER 2000

Date of mailing of the international search report

20 DEC 2000

Name and mailing address of the ISA/US
Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

JARED J. FUREMAN

Telephone No. (703) 305-0424

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/27004

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3,987,725 A (Scantlin) 26 October 1976, (26/10/76) figures 1-4, 1720, 21, 35, column 3, lines 2-16, 33-44, column 11, lines 1-18, 26-37.	32, 38-41
A	US 3,763,356 A (Berler) 02 October 1973, (02/12/73) figures 1-5, column 2, lines 18-36.	1-90
A	US 4,436,991 A (Albert) 13 March 1984, (13/03/84) figures 1, column 4 lines 13-25.	1-90
A	US 4,544,836 A (Galvin et al.) 01 October 1985, (01/12/85) figures 1, 2, 4, 6B, column 7, lines 14-26.	1-90
Y	GB 2 229 189 A (Bratchley) 19 September 1990, (19/09/90) page 3, lines 29-35, page 4, lines 1-11, page 4, lines 26-36, page 5, lines 1-5, 34, 35, page 6, lines 1-8, 22-35, page 7, lines 1-28.	2-8, 11-14, 17-23, 26-29, 32-90
A	GB 2 106 832 A (Sothcott) 20 April 1983, (20/04/83) figures 1, 2, page 1, lines 5-7, 31-53, 103-121.	1-90
A	JP 11-53496 A (Hitachi Maxell) 02 February 1999, (02/02/99) figures 1, 2, abstract.	1-90
A	JP 11-20356 A (Dainippon Printing) 01 January 1999 (01/01/99) figures 1A-3B, abstract.	1-90