WO 2007/106160 A3

International Application
Patent Cooperation Treaty (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 September 2007 (20.09.2007)

(10) International Publication Number
WO 2007/106160 A3

(21) International Application Number:
PCT/US2006/046745

(51) International Patent Classification:
B41J 2/325 (2006.01) B41J 11/00 (2006.01)

(22) International Filing Date:
7 December 2006 (07.12.2006)

(25) Filing Language:
English

(26) Publication Language:
English

(28) Date of the Earlier Application:
3 March 2006 (03.03.2006)

(27) Priority Data:
11/368,121

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(84) Designated States (unless otherwise indicated, for every kind of regional protection available):

(85) Designated States (unless otherwise indicated, for every kind of national protection available):

(86) Declarations under Rule 4.17:
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(U))
— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Hi))

(88) Date of publication of the international search report:
24 January 2008
[Continued on next page]

(54) Title:
TWO-SIDED THERMAL PAPER

(57) Abstract:
Imaging elements for dual-sided direct thermal printing are described, generally comprising a substrate and a thermally sensitive coating on each side. Calendering is provided to produce a smoothness of 75 Bekk or greater on each side of the media product. A subcoat or base coat, e.g., of calcium carbonate or clay, may be provided on paper substrates to enhance smoothness of finish and the quality of thermal printing.

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DATE: 05/05/05 TIME: 5:05PM

1 HAMMER $15.55" 
10 LBS NAILS 5.05 
15 BOXES NUTS 5.55 
15 BOXES BOLTS 5.55 

TOTAL $31.70
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
### INTERNATIONAL SEARCH REPORT

**INTERNATIONAL SEARCH REPORT**

**International application No.**
PCT/US 06/46745

**A CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - B41J 2/325; B41J 11/00 (2007 01)
USPC - 400/621, 503/200

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

**FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) B41J 2/325, B41J 11/00 (2007 01), USPC 400/621, 503/200

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

USPC 400/621, 503/200, 347/216, 171, 427/148, (keyword limited – see keywords below)

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

PubWEST, SCHOLAR GOOGLE thermal imaging, Bekk, smoothness, subcoat, primer, topcoat

**C DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 6,784,906 B2 (LONG et al.) 31 August 2004 (31 08 2004), entire document, col 2, in 25-65, Fig 1, col 3, in 22-41, col 5, in 15-19, col 3, in 13-21, Fig 1, col 2, in B8-col 3, in 12, Fig 1, col 2, in 51-65, col 3, in 22-44, Fig 1, col 3, in 13-44, Fig 1, col 3, in 34-37, Fig 1, col 3, in 28-34, Fig 1, col 3, in 44-50, Fig 1, col 5, in 1-19, Fig 3, in 44-54, Fig 1, col 3, in 40-44, col 2, in 51-60</td>
<td>1-43</td>
</tr>
<tr>
<td>Y</td>
<td>US 4,853,256 A (OBRINGER et al.) 1 August 1989, (01 08 1989), entire document, col 6, in 5-8, col 2, in 49-51</td>
<td>34</td>
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**Date of the actual completion of the international search**
3 September 2007 (03 09 2007)

**Date of mailing of the international search report**
02 OCT 2007

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PCT GPF 571-272-7774

Form PCT/ISA/2 10 (second sheet) (Apr 1 2007)