



# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/033664

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A44B18/00

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)  
IPC 7 A44B

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	US 2003/182776 A1 (AUSEN RONALD W ET AL) 2 October 2003 (2003-10-02)	1,5,13, 16,18, 20-22
Y	paragraphs '0002!, '0005!, '0025!, '0026!, '0032!, '0034!, '0041!, '0055!, '0064! - '0066!; claim 4; figures 1-7; table 1	19,23
X	US 2002/124359 A1 (MURASAKI RYUICHI ET AL) 12 September 2002 (2002-09-12)	7,17
Y	paragraphs '0054!, '0077!, '0122!, '0123!; figures 1-3,14	24
Y	US 6 163 939 A (LACEY ET AL) 26 December 2000 (2000-12-26) cited in the application figures 4,5,18	19,23,24
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*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)
- \*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

- \*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
- \*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
- \*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.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

25 April 2005

Date of mailing of the international search report

25. 05. 2005

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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	US 5 058 247 A (THOMAS ET AL) 22 October 1991 (1991-10-22) the whole document -----	1, 3, 14
X	US 5 116 563 A (THOMAS ET AL) 26 May 1992 (1992-05-26) figures -----	1, 3, 14
A	US 6 066 281 A (PROVOST ET AL) 23 May 2000 (2000-05-23) column 4, line 45 - line 50 column 5, line 62 - line 23; figures 1, 2, 4b, 5b -----	1, 7, 13, 21
A	US 5 339 499 A (KENNEDY ET AL) 23 August 1994 (1994-08-23) column 2, line 27 - line 43 column 3, line 31 - line 34 column 5, line 34 - column 6, line 20 column 7, line 32 - line 46 column 9, line 15 - line 22 column 10, line 3 - line 11 -----	1, 7
A	WO 02/060294 A1 (VELCRO INDUSTRIES B.V; VAN BENSCHOTEN, BRIAN, J; GALLANT, CHRISTOPHER,) 8 August 2002 (2002-08-08) the whole document -----	1, 7, 23, 24

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International application No.  
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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:  
  
1-10, 13-22, 23, 24
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6,13-22,23

A touch fastener and method of producing the touch fastener having a sheet-form base and an array of fastener elements each comprising a molded stem and a head with lower surface forming a crook with a specific ratio of head height to overall height

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2. claims: 7-10,13-22,24

A touch fastener and method of producing the touch fastener having a sheet-form base and an array of fastener elements each comprising a molded stem and a head with lower surface forming a crook with a specific bulk aspect

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3. claims: 11-12,13-22,25

A touch fastener and method of producing the touch fastener having a sheet-form base and an array of fastener elements each comprising a molded stem and a head with lower surface forming a crook with a specific ratio of crook height to entrance height

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## INTERNATIONAL SEARCH REPORT

 International Application No  
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International Application No

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