

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

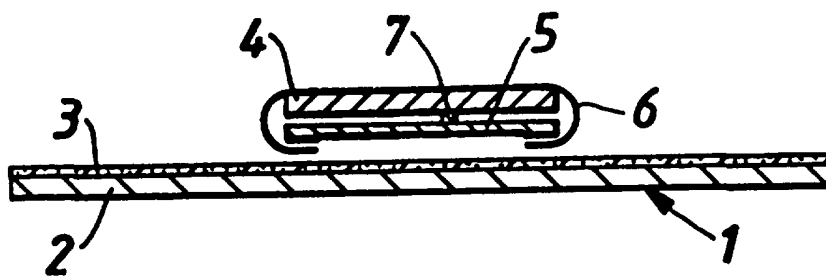
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61F 13/44, A61L 15/54		A3	(11) International Publication Number: WO 96/01096
			(43) International Publication Date: 18 January 1996 (18.01.96)
(21) International Application Number: PCT/GB95/01551			(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, 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).
(22) International Filing Date: 3 July 1995 (03.07.95)			
(30) Priority Data:			
9413422.8 4 July 1994 (04.07.94) GB			
9419077.4 22 September 1994 (22.09.94) GB			
(71) Applicant (for all designated States except US): SMITH & NEPHEW PLC [GB/GB]; 2 Temple Place, Victoria Embankment, London WC2R 3BP (GB).			Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(72) Inventors; and			
(75) Inventors/Applicants (for US only): WARD, William, John [GB/GB]; 31 Marlborough Avenue, Hull HU5 3JP (GB). HUDSON, Simon, John [GB/GB]; Haven, 66 Corby Park, North Ferriby, North Humberside HU14 3AY (GB).			
(74) Agent: SMITH & NEPHEW GROUP RESEARCH CENTRE; Corporate Patents & Trade Marks Dept., York Science Park, Heslington, York YO1 5DF (GB).			
(88) Date of publication of the international search report: 6 June 1996 (06.06.96)			

(54) Title: DRESSING

(57) Abstract

There is described a tungsten loaded radiopaque adhesive and radiopaque dressings which are detectable by x-ray scanning, and processes for their manufacture.



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AT	Austria	GB	United Kingdom	MR	Mauritania
AC	Australia	GE	Georgia	MW	Malawi
BB	Barbados	GN	Guinea	NE	Niger
BE	Belgium	GR	Greece	NL	Netherlands
BF	Burkina Faso	HU	Hungary	NO	Norway
BG	Bulgaria	IE	Ireland	NZ	New Zealand
BJ	Benin	IT	Italy	PL	Poland
BR	Brazil	JP	Japan	PT	Portugal
BY	Belarus	KE	Kenya	RO	Romania
CA	Canada	KG	Kyrgyzstan	RU	Russian Federation
CF	Central African Republic	KP	Democratic People's Republic of Korea	SD	Sudan
CG	Congo	KR	Republic of Korea	SE	Sweden
CH	Switzerland	KZ	Kazakhstan	SI	Slovenia
CI	Côte d'Ivoire	LI	Liechtenstein	SK	Slovakia
CM	Cameroon	LK	Sri Lanka	SN	Senegal
CN	China	LU	Luxembourg	TD	Chad
CS	Czechoslovakia	LV	Latvia	TG	Togo
CZ	Czech Republic	MC	Monaco	TJ	Tajikistan
DE	Germany	MD	Republic of Moldova	TT	Trinidad and Tobago
DK	Denmark	MG	Madagascar	UA	Ukraine
ES	Spain	ML	Mali	US	United States of America
FI	Finland	MN	Mongolia	UZ	Uzbekistan
FR	France			VN	Viet Nam
GA	Gabon				

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/GB 95/01551

A. CLASSIFICATION OF SUBJECT MATTER IPC 6 A61F13/44 A61L15/54		
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 6 A61F A61L		
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)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB,A,716 923 (JOHNSON & JOHNSON) 20 October 1954	1,4,10, 11
Y	see page 1, line 13 - line 15	2,3,5,6, 8,9,12, 13
A	see page 1, line 48 - line 52 see page 2, line 22 - line 24 see page 2, line 37 - line 41 ---	16
Y	GB,A,1 381 855 (T.J.SMITH & NEPHEW) 29 January 1975 cited in the application	2,3,6, 12,13
A	see page 2, line 90 - line 101; claim 1 ---	16
Y	GB,A,2 169 906 (S.G.CARUS) 23 July 1986	5,8,9,15
A	see the whole document ---	16
-/--		
☒ 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 "&" document member of the same patent family		
Date of the actual completion of the international search 2 April 1996	Date of mailing of the international search report 12. 04. 96	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl, Fax (+ 31-70) 340-3016	Authorized officer Nice, P	

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 95/01551

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP,A,0 399 140 (HUGHES AIRCRAFT) 28 November 1990	14
Y	see claims 1,4-6,9,11 ---	15
X	US,A,4 612 242 (G.F.VESLEY ET AL.) 16 September 1986 see claims 1,9 ---	14
X	EP,A,0 424 132 (MINNESOTA MINING AND MANUFACTURING) 24 April 1991 see claims 1-3 ---	14
A	GB,A,2 199 839 (G C DENTAL) 20 July 1988 see claims 1,4 ---	14,15
A	DE,A,34 21 155 (K.BROEMER ET AL.) 12 December 1985 see abstract see page 8, line 21 - page 9, line 7 -----	

INTERNATIONAL SEARCH REPORT

.national application No.

PCT/GB95/01551

Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

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

1. Claims : 1-13,16 Dressing made radiopaque by the incorporation of tungsten or a salt thereof.
2. Claims : 14-15 Adhesive made radiopaque by the incorporation of tungsten or a salt thereof.

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.:
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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 95/01551

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB-A-716923		NONE	
GB-A-1381855	29-01-75	AU-B- 468509 AU-B- 3619571	15-01-76 31-05-73
GB-A-2169906	23-07-86	NONE	
EP-A-0399140	28-11-90	US-A- 4940633 CA-A,C 2009747 DE-D- 69011202 JP-A- 3072583 JP-B- 6102779	10-07-90 26-11-90 08-09-94 27-03-91 14-12-94
US-A-4612242	16-09-86	NONE	
EP-A-0424132	24-04-91	US-A- 5189078 AU-B- 3028692 AU-B- 634281 AU-B- 6207390 CA-A- 2024923 DE-D- 69019457 DE-T- 69019457 JP-A- 3153790 US-A- 5238975	23-02-93 18-03-93 18-02-93 26-04-91 19-04-91 22-06-95 25-01-96 01-07-91 24-08-93
GB-A-2199839	20-07-88	JP-A- 63165302 DE-A,C 3743983 US-A- 5106301	08-07-88 07-07-88 21-04-92
DE-A-3421155	12-12-85	NONE	