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(54) Title: FLEXIBLE WOUND DRESSING

(57) Abstract: The present invention relates to flexible wound dressings. More particularly, the present invention is directed to flexible wound dressings comprising ionomer resins. The invention involves treating the injured tissue with films comprising a special biocompatible crosslinked resin that optionally contains leachable healing and antibiotic agents.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/47347

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(8) - A61F 13/00; A61L 15/16 (2007.10) USPC - 602/48, 424/447 According to International Patent Classification (IPC) or to both national classification and IPC																
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) USPC: 602/48, 424/447 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 602/42, 41; 424/443; all remaining USPC classifications Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST and Google Scholar: wound dressing, silicone, ionomer, antibiotic, adhesive, hemostasis, analgesic, phosphorus pentoxide, sodium oxide, dimethacrylate																
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>																
<table border="1"> <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>X ----- Y</td> <td>US 2005/0049323 A1 (GVOZDIC) 3 March 2005 (03.03.2005), para [0024], [0034], [0037], [0038], [0048], [0063], [0067], [0083], [0085], [0086], [0088], [0093], [0095], [0111], [0130]-[0132].</td> <td>1, 3-6 ----- 2</td> </tr> <tr> <td>Y</td> <td>US 6,040,251 A (CALDWELL) 21 March 2000 (21.03.2000), col. 14, ln 6-13; col. 16, ln 27-36; col. 17, ln 25-27; col. 18, ln 18-21; col. 18, ln 48-50; col. 21, ln 23; col. 27, ln 50-51; col. 27, ln 65-67; col. 28, ln 55; col. 31, ln 10-13; col. 33, ln 18-25; col. 33, ln 33-60; col. 35, ln 62; col. 54, ln 54-61; Table 1; Table 3, fn 4.</td> <td>2, 7-19</td> </tr> <tr> <td>Y</td> <td>US 2003/0118629 A1 (SCHOLTZ et al.) 26 June 2003 (26.06.2003), para [0026], [0031], [0054], [0060], [0061], [0072], [0075], [0079]-[0083], [0094], [0097], [0106], [0107], [0112].</td> <td>7-10</td> </tr> <tr> <td>Y</td> <td>US 2004/0162580 A1 (HAIN) 19 August 2004 (19.08.2004), para [0014], [0032], [0036].</td> <td>11-19</td> </tr> </tbody> </table>	Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X ----- Y	US 2005/0049323 A1 (GVOZDIC) 3 March 2005 (03.03.2005), para [0024], [0034], [0037], [0038], [0048], [0063], [0067], [0083], [0085], [0086], [0088], [0093], [0095], [0111], [0130]-[0132].	1, 3-6 ----- 2	Y	US 6,040,251 A (CALDWELL) 21 March 2000 (21.03.2000), col. 14, ln 6-13; col. 16, ln 27-36; col. 17, ln 25-27; col. 18, ln 18-21; col. 18, ln 48-50; col. 21, ln 23; col. 27, ln 50-51; col. 27, ln 65-67; col. 28, ln 55; col. 31, ln 10-13; col. 33, ln 18-25; col. 33, ln 33-60; col. 35, ln 62; col. 54, ln 54-61; Table 1; Table 3, fn 4.	2, 7-19	Y	US 2003/0118629 A1 (SCHOLTZ et al.) 26 June 2003 (26.06.2003), para [0026], [0031], [0054], [0060], [0061], [0072], [0075], [0079]-[0083], [0094], [0097], [0106], [0107], [0112].	7-10	Y	US 2004/0162580 A1 (HAIN) 19 August 2004 (19.08.2004), para [0014], [0032], [0036].	11-19	<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774															