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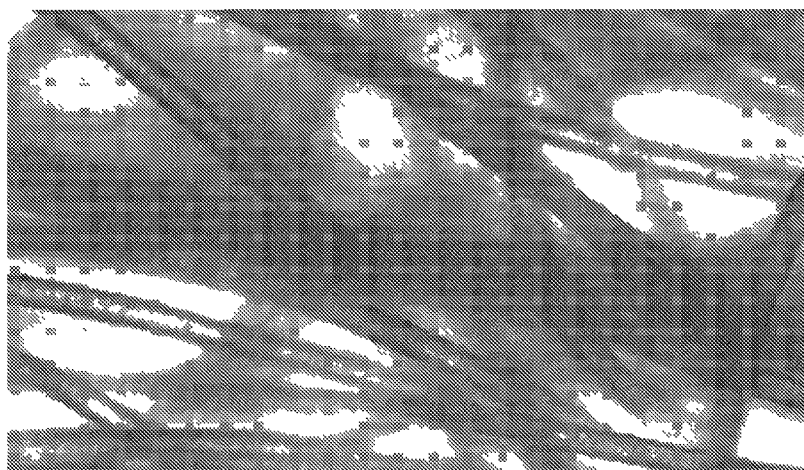
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[Continued on next page]

(54) Title: SPUNLAID FIBERS COMPRISING COATED CALCIUM CARBONATE, PROCESSES FOR THEIR PRODUCTION, AND NONWOVEN PRODUCTS

FIGURE 7



(57) Abstract: Disclosed herein, in one embodiment, are spunlaid fibers comprising at least one polymeric resin and at least one filler having an average particle size of less than or equal to about 5 microns and/or having a top cut of less than about 15 microns, wherein the at least one filler is present in an amount of less than about 40% by weight, relative to the total weight of the spunlaid fibers. Also disclosed herein is a method for producing spunlaid fibers comprising adding calcium carbonate to at least one polymeric resin and extruding the resulting mixture. Further disclosed herein are nonwoven fabrics comprising such spunlaid fibers and methods for producing them.



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WEST (PGPB.USPT.USOC.EPAB.JPAB), Google (Patents, Scholar, and Web) spunlaid, fiber, calcium carbonate, polypropylene, polyethylene, nylon, particle

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	US 2004/0091752 A1 (MORMAN et al) 13 May 2004 (13 05 2004), para [0021], [0023]-[0026], [0028]-[0030], [0038], [0044], [0045], [0051], [0052], [0054], [0056], [0059], [0061], [0065], [0066], [0068], [0069]	1-1 18
Y	US 2004/0147636 A1 (CALHOUN et al) 29 Jul 2004 (29 07 2004), para [0017], [0028], [0036], [0042], [0091], [0098], [0100]-[0102], [01 10]	1-1 18
Y	US 5,662,978 A (BROWN et al) 2 Sep 1997 (02 09 1997), col 7, ln 45-52	10 and 43
Y	US 2005/0227563 A1 (BOND) 13 Oct 2005 (13 10 2005), para [0007], [0029]	11, 44, 78 and 103
Y	US 2005/0101739 A1 (WEBB et al) 12 May 2005 (12 05 2005), para [0097], [0134]	76-89 and 101-1 14
Y	US 5,817,584 A (SINGER et al) 6 Oct 1998 (06 10 1998), col 5, ln 59-62	117 and 118

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