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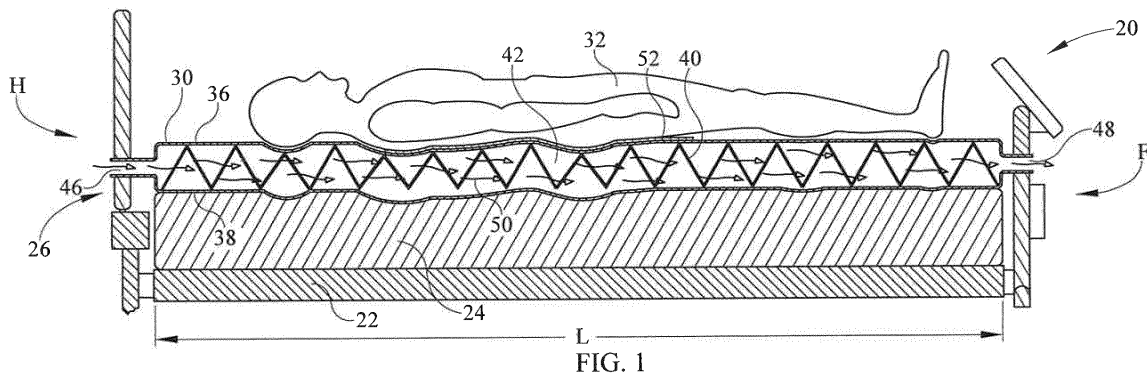
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(54) **Moisture management and transport cover**

(57) An occupant support (20) includes an intermediate layer (26, 30, 120) and a wicking layer (52) atop the intermediate layer. The wicking layer comprises a first region (62) having a lower moisture wick rate (W1) and a second region (64) having a higher wick rate (W2). A moisture management cover (52) for use with an oc-

cupant support article has discrete higher (64) and lower (62) wick rate regions. A related method for transporting moisture away from a target region of an occupant support comprises distributing the moisture over an area beyond area A and exposing the distributed moisture to a fluid stream capable of receiving the moisture.



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EUROPEAN SEARCH REPORT

Application Number
EP 12 18 5177

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2007/261548 A1 (VRZALIK JOHN H [US] ET AL) 15 November 2007 (2007-11-15) * paragraphs [0058], [0067], [0107]; figures 5,12 *	1-4, 7-12,14	INV. A61G7/057
Y	EP 2 246 024 A2 (HILL ROM SERVICES INC [US]) 3 November 2010 (2010-11-03) * paragraphs [0030], [0031]; figures 3,7,8 *	1,3-6, 10-12	
A		7-9,14	
Y	WO 2010/037082 A2 (SHEEX LLC [US]; WALVIUS SUSAN KATHERINE [US]; MARCINIAK MICHELLE MARIE) 1 April 2010 (2010-04-01) * page 10, lines 6,7; figure 4 *	1,3-6, 10-12	
X	US 2011/092890 A1 (STRYKER MARTIN W [US] ET AL) 21 April 2011 (2011-04-21) * paragraph [0041]; figures 1,3 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			A61G A47C A61F
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		6 August 2013	Birlanga Pérez, J
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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06-08-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2007261548 A1	15-11-2007	AU 2007249236 A1	22-11-2007
		CA 2651960 A1	22-11-2007
		DK 2015655 T3	10-06-2013
		EP 2015655 A2	21-01-2009
		EP 2526836 A1	28-11-2012
		HK 1126944 A1	23-03-2012
		JP 5108874 B2	26-12-2012
		JP 2009536860 A	22-10-2009
		JP 2013031689 A	14-02-2013
		TW 200824904 A	16-06-2008
		US 2007261548 A1	15-11-2007
		US 2011219548 A1	15-09-2011
		US 2012144584 A1	14-06-2012
		WO 2007134246 A2	22-11-2007
EP 2246024 A2	03-11-2010	EP 2246024 A2	03-11-2010
		US 2010274331 A1	28-10-2010
WO 2010037082 A2	01-04-2010	AU 2009296195 A1	01-04-2010
		CA 2738658 A1	01-04-2010
		CN 102245822 A	16-11-2011
		CN 102551442 A	11-07-2012
		DE 09817024 T1	12-01-2012
		DE 202009018490 U1	27-10-2011
		DK 2344691 T3	15-07-2013
		EP 2344691 A2	20-07-2011
		EP 2601866 A1	12-06-2013
		ES 2368481 T1	17-11-2011
		US 2011000020 A1	06-01-2011
		US 2012024013 A1	02-02-2012
		US 2012030874 A1	09-02-2012
		WO 2010037082 A2	01-04-2010
US 2011092890 A1	21-04-2011	EP 2490641 A2	29-08-2012
		US 2011092890 A1	21-04-2011
		WO 2011049744 A2	28-04-2011

EPO FORM P0469

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82