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(71) Applicant (for all designated States except US): **KX INDUSTRIES, L.P.** [US/US]; 269 South Lambert Road, Orange, CT 06477 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **KENDRICK, Richard, D.** [US/US]; 120 Valley View Road, Stratford, CT 06497 (US).

(74) Agent: **WAMER, Gary, L.**; KX Industries, L.P., 269 S. Lambert Road, Orange, CT 06477 (US).

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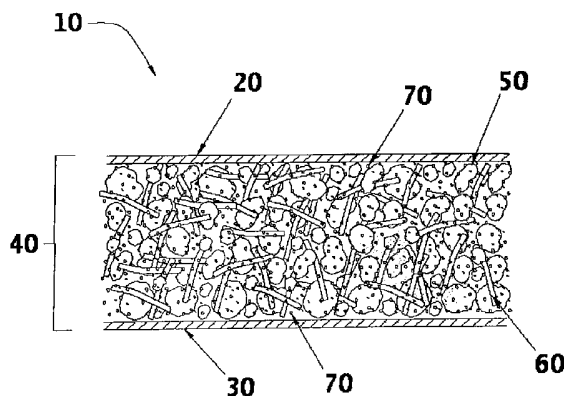
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(54) Title: LOFTED COMPOSITE WITH ENHANCED AIR PERMEABILITY



(57) Abstract: A composite (10) of the present invention comprises a substrate (30) having deposited on a surface thereof a dry mixture (40) of active particles (70), lofting fibers (60), and binder particles (50). The composite has increased air permeability and lower air resistance than prior art composites that do not incorporate lofting fibers.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/26451

A. CLASSIFICATION OF SUBJECT MATTER

IPC: D04H 13/00(2006.01)

USPC: 428/292.1

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)
U.S. : 428/292.1

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 practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	US 6,770,204 B1 (KOSLOW) 03August 2004, see entire document.	1-13
Y	US 5,792,513 A (KOSLOW et al) 11 August 1998, see abstract, column 1, line 55 through column 2, line 12, and Examples.	1-13



Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

Jill M. Gray

Telephone No. 571-272-1700

Jacqueline A. Whitfield
Special Project Asst.

JAW

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/26451

Continuation of B. FIELDS SEARCHED Item 3:

EAST: composite, substrate, filter, filtration media, active/activated (particles, particulates, carbon), binder particles, fiber or filament, air permeability