

These search results have been obtained by searching through two classifications for face masks using a number of keywords. An initial start which can be refined later.

Title: RESPIRATORY SYSTEM PROTECTION

Abstract: A respiratory system protection element is disclosed, in particular a breathing mask consisting of at least one layer (3, 4, 5) for protecting the nose and mouth. The core of the invention lies in that at least one means (6) is provided and/or integrated into the mask which by exposure to the breathing air allows the length of usage to be recognized.

Classifications:

International (IPC 8-9): A41D13/11 (Advanced/Invention);

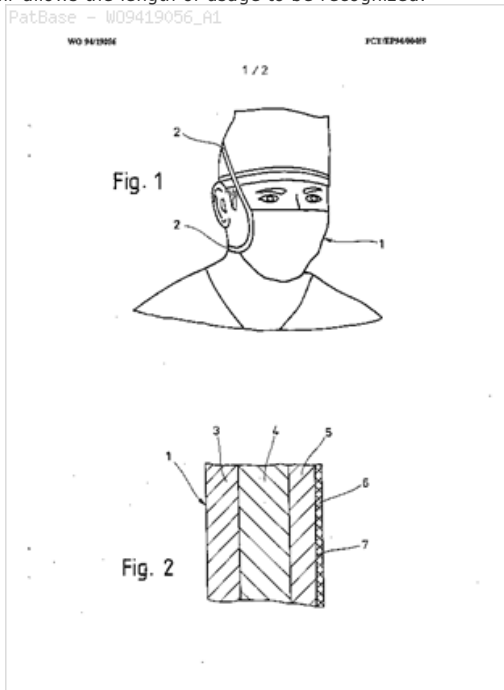
A41D13/05 (Core/Invention)

International (IPC 1-7): A41D13/00 A61B19/00 A62B18/08

A62B23/02 A62B27/00

CPC: A41D13/11

European: A41D13/11



Only applied for in Germany



Old, so can be applied freely



Family:

Publication number	Publication date	Application number	Application date	
DE4329031 A1	19940901	DE19934329031	19930828	
WO9419056 A1	19940901	WO1994EP00489	19940221	

Priority:

DE19934306211 19930227 DE19934329031 19930828

Probable Assignee: HARTMANN PAUL AG

Assignee(s): (std): HARTMANN PAUL AG ; POTH ROBERT

Assignee(s): PAUL HARTMANN AG ; PAUL HARTMANN AG 89522 HEIDENHEIM DE

Inventor(s): (std): POTH ROBERT

Inventor(s): POTH ROBERT 63075 OFFENBACH DE

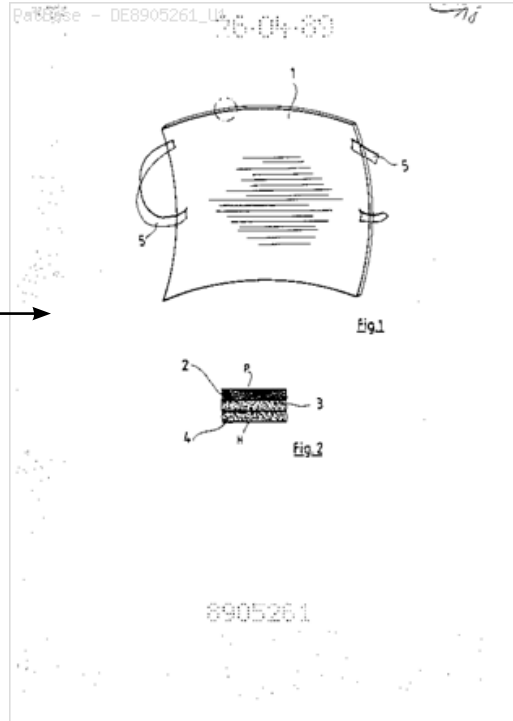
Designated states: AT BE CH CZ DE DK ES FR GB GR IE IT LU MC NL PT SE SK

Abstract: Source: DE8905261U1 [DE] (Claim 1) 1. Gesichtsmaske mit Filter zur Bedeckung der Nase und des Mundes von Chirurgen, Krankenaus- und Erste-Hilfe- leistenden Personen und dergleichen, dadurch gekennzeichnet, dass die Gesichtsmaske (1) zum Schutze gegen biologische, organische und anorganische Krankheitserreger mindestens eine atmungsaktive flüssigkeits-undurchlässige Schicht (2) aufweist.

Machine translation: (Claim 1) 1 Face mask with a filter to cover the nose and the mouth of surgeons, Krankenaus and first-aid payable persons and the like, gekennzeichnet fact that the Gesichtsmaske (1) protection against biologische, organic and inorganic pathogens at least a breathable liquid-proof layer (2).

Classifications:

International (IPC 8-9): A41D13/11 A61M16/00 (Advanced/Invention); A61M16/10 (Advanced/Non-invention); A41D13/05 A61M16/00 (Core/Invention); A61M16/10 (Core/Non-invention)
International (IPC 1-7): A61B19/00 A61B19/08 A61F13/00 A61F13/12 A61L9/01 A61M16/00 B01D39/08
CPC: A41D13/11 A61M16/0048 A61M16/1055
European: A41D13/11 A61M16/00H K61M16/10F1



Click here for all of the figures in the publications

Click here for the full text

Apparently so old already

Family:

Publication number	Publication date	Application number	Application date
DE8905261 U1	19890803	DE19890005261U	19890426
DE8911801 U1	19900208	DE19890011801U	19891004

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Priority:

DE19890005261U 19890426 DE19890011801U 19891004

Probable Assignee: NOWAK KAY DR

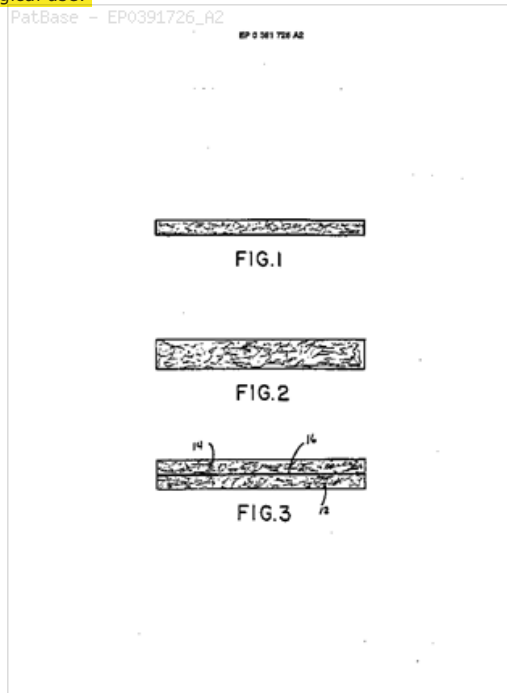
Assignee(s): ISL SCHAUMSTOFF TECHNIK GMBH 6806 VIERNHEIM DE ; NOWAK KAY DR ; NOWAK KAY DR 6940 WEINHEIM DE

Title: IMPROVED FILTRATION MEDIUM AND FACE MASK CONTAINING THE SAME.

Abstract: Improved filtration medium comprises at least two individual, separate and distinct layers of melt blown fibers, the layers being arranged in face-to-face contact. The two-layered filtration medium has better particulate filtration efficiency (for particles 0.8 micron in diameter and larger) than that provided by a single layer of the same melt blown fibers having a basis weight equivalent to the combined basis weight of the two individual layers. The improved filtration medium is useful in the manufacture of face masks, especially face masks for medical or surgical use.

Classifications:

International (IPC 8-9): A41D13/11 A61B19/00 A62B18/02 A62B23/02 B01D39/08 B01D39/16 D01F6/06 D04H1/54 D04H13/00 (Advanced/Invention); A61B19/00 B01D39/16 (Advanced/Non-invention)
International (IPC 1-7): A41D13/00 A61B19/00 A61L A62B18/02 A62B23/02 A62B7/10 B01D39/14 B01D39/16 B32B5/08 D01F6/06 D04H1/54 D04H13/00
CPC: D04H1/559 D04H1/56 B01D39/083 A41D13/11 A62B23/025 B01D2239/0622 B01D2239/065 B01D2239/1225 B01D2239/1233 D04H1/54
European: A41D13/11 A62B23/02A B01D39/08 B01D39/08B D04H1/54 D04H13/00B2 L01D239/06B31 L01D239/06F L01D239/12F L01D239/12H



Now I see what I am looking for: virus barrier material. Now I can easily find more relevant publications by following the 'citations' links.

Family:

Publication number	Publication date	Application number	Application date	
AU199052955 A1	19901011	AU19900052955	19900405	
BRPI9001634 A	19910507	BR1990PI01634	19900406	
CA2014052 AA	19901007	CA19902014052	19900406	
EP0391726 A2	19901010	EP19900303702	19900406	
EP0391726 A3	19920325	EP19900303702	19900406	
FI901756 A0	19900406	FI19900001756	19900406	
GR1001027 B	19930331	GR19900100240	19900330	
GR900100240 A	19910927	GR19900100240	19900330	
JP2291851 A2	19901203	JP19900091954	19900406	
KR19900015688 A	19901110	KR19900004640	19900404	
ZA9002666 A	19911224	ZA19900002666	19900405	

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Can I also search for ... and just Google their product

Priority:

US19890335078 19890407 CA19902014052 19900406

Probable Assignee: JOHNSON AND JOHNSON MEDICAL

Assignee(s): (std): JOHNSON AND JOHNSON ; JOHNSON AND JOHNSON MEDICAL ; JOHNSON AND JOHNSON MEDICAL IN ; SINGER WAYNE J

Assignee(s): INC ; JOHNSON AND JOHNSON MEDICAL INC

Inventor(s): (std): SINGER WAYNE JAY ; SINGER WAYNE J ; UEIN JIEI SHINGAA ; WAYNE JAY SINGER ; SINGER JAY WAYNE

Agent(s): GRIFFITH HACK ; SWABEY OGILVY RENAULT

Designated states: AT BE CH DE ES FR GB IT LI LU NL SE

Title: SURGICAL MASK

Abstract: (Claim 1) 1. In a surgical mask comprising means attachable to the head for forming a shield and having a portion adapted to be disposed in alignment with the nose and mouth, said portion having at least one opening therein, and breathing means across said opening for allowing air expired from the nose and mouth to pass therethrough, the improvement comprising a honeycomb body, as 5 breathing means, across said opening and having a pair of opposed surfaces, one of said surfaces forming part of the rear surface of said mask for confronting relation to the nose and mouth and the other of said surfaces forming part of the front surface of said mask, a plurality of 10 unobstructed air channels extending through said body and terminally opening in said surfaces, said channels being defined and separated from one another by thin ceramic walls having porous, moisture absorbent surfaces, said body comprising a plurality of consecutive 15 sections between said surfaces with at least a portion of each of said channels extending through each section disposed at an oblique angle to said surfaces different from the oblique angular disposition of the channels in an adjacent section^ 20

Classifications:

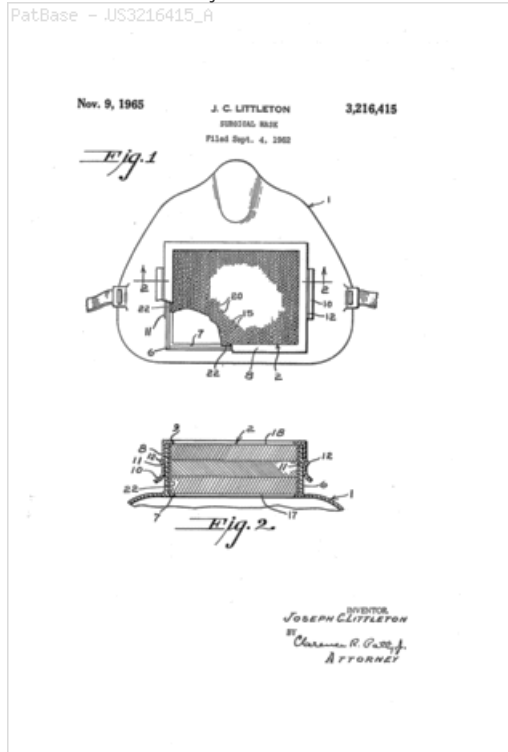
International (IPC 8-9): A41D13/11 (Advanced/Invention);
A41D13/05 (Core/Invention)

International (IPC 1-7): A61B19/00

CPC: A41D13/11

European: A41D13/11

US: 128/206.17 55/523 D24/110.1



Another hit about ensuring that the mask properly fits the face...so it is a point of attention for the design.

Family:

Publication number	Publication date	Application number	Application date
US3216415 A	19651109	US19620221237	19620904

Priority:

US19620221237 19620904

Probable Assignee:

CORNING INC

Assignee(s): (std):

CORNING GLASS WORKS ; CORNING INC

Inventor(s): (std):

LITTLETON JOSEPH C