

Title: **HEARING** PROTECTION AND/OR LOUDSPEAKER ELEMENT

Abstract: A **hearing** protection and/or loudspeaker element (1) is provided which includes a carrier part (2) arranged on a protective helmet (5) and a module (4) which can be actively connected to an outer **ear** of the wearer to act as a **hearing** protection and/or loudspeaker module. The carrier part (2) and protective helmet can be fixed to the head of the wearer. The module (4) which acts as the **hearing** protection and/or loudspeaker module can be adjusted in relation to the loudspeaker part (2) and shifted from a position of rest to a position of use. The module (4) itself is like a plug and is embodied as a part that covers the entrance of the human outer **ear**.

Classifications:

International (IPC 8-9): A42B3/00 A42B3/16 A42B3/30 A61F11/06 H04R1/10 H04R25/00 (Advanced/Invention);

A42B3/00 A42B3/04 A61F11/00 H04R1/00 H04R1/10 H04R25/00 (Core/Invention)

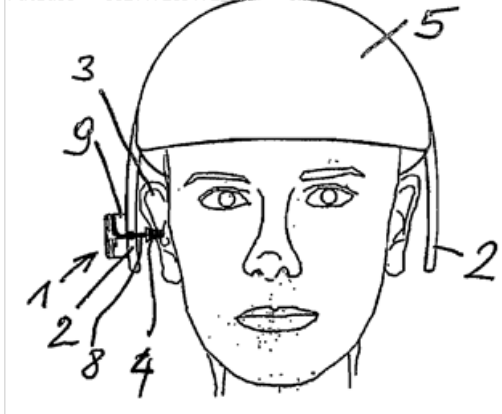
International (IPC 1-7): A42B3/00 A42B3/16 A61F11/06 H04R1/10

CPC: A42B3/166 A61F11/12

European: A42B3/16C A61F11/12 A61F11/14

US: 181/130 381/374 381/376 381/379 381/379P

PatBase - US2007269072_00



Family:

Publication number	Publication date	Application number	Application date
AT433681 E	20090715	AT20050782735T	20050812
AT500786 A1	20060315	AT20040001394	20040819
AT500786 B1	20110815	AT20040001394	20040819
AU2005274368 AA	20060223	AU20050274368	20050812
CA2576271 AA	20070207	CA20052576271	20050812
CA2576271 C	20131112	CA20052576271	20050812
DE502005007523 D1	20090730	DE200550007523T	20050812
DK1778036 T3	20090928	DK20050782735T	20050812
EP1778036 A1	20070502	EP20050782735	20050812
EP1778036 B1	20090617	EP20050782735	20050812
ES2327765 T3	20091103	ES20050782735T	20050812
JP2008510081 T2	20080403	JP20070526365T	20050812
SI1778036 T1	20091031	SI20050030756T	20050812
US2007269072 AA	20071122	US20050573813	20050812
US8059851 BB	20111115	US20050573813	20050812
WO06018250 A1	20060223	WO2005EP08811	20050812

Priority:

AT20040001394 20040819 EP20050782735 20050812 WO2005EP08811 20050812

Probable Assignee: PFANNER SCHUTZBEKLEIDUNG GMBH

Assignee(s): (std): PFANNER ANTON

Assignee(s): PFANNER SCHUTZBEKLEIDUNG GMBH ; ANTON PFANNER

Inventor(s): (std): PFANNER ANTON

Inventor(s): ANTON PFANNER

Agent(s): FB RICE; FB RICE PTY LTD; ROBIC; HOFMANN RALF U; VOLPE AND KOENIG PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: Schutzhelm fuer motorisierte Zweiradfahrer Protective helmet for motorized two-wheeler drivers (Machine translation)

Abstract: Source: DE9309795U1 [DE] (Claim 1) Schutzansprueche ----- 1. Schutzhelm fuer motorisierte Zweiradfahrer. dadurch ge- kennzeichnet. dass er eine Einrichtung zur richtungsge- treuen Wahrnehmung von Geraeuschen und Informationen des Strassenverkehrs enthaelt.

Machine translation: (Claim 1) requirements for protection ----- 1. Protective helmet for motorized two-wheeler drivers. by it ge marks. that it contains a mechanism to richtungsge faithful perception of noises and information of the traffic.

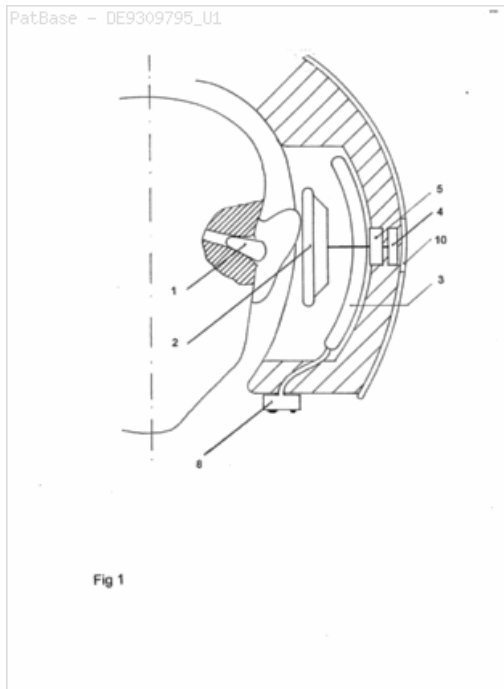
Classifications:

International (ipc 8-9): A42B3/04 A42B3/16 A42B3/30 A61F11/14 (Advanced/Invention)

International (ipc 1-7): A42B3/16 A42B3/30 A61F11/14

CPC: A61F11/14 A42B3/166 A42B3/30

European: A42B3/16C A42B3/30 A61F11/14



Family:

Publication number	Publication date	Application number	Application date
DE9309795 U1	19931007	DE19930009795U	19930701

Priority:

DE19930009795U 19930701

Probable Assignee: TRUEMPER JOERG

Assignee(s): (std): TRUEMPER JOERG

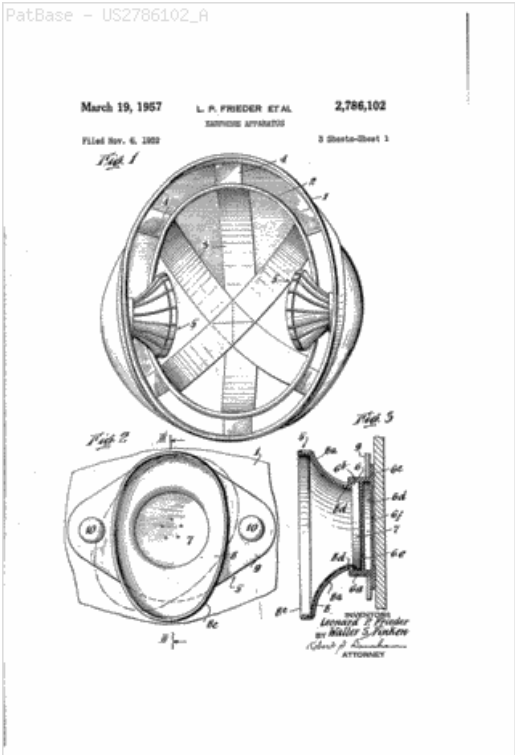
Assignee(s): TRUEMPER JOERG 37351 KREUZEBRA DE

Title: EARPHONE APPARATUS

Abstract: (Claim 1) 1. In an earphone, a housing having a portion adapted to receive a sound emitter and a hollow flexible shell attached to said housing and encircling said portion, said shell projecting generally divergently from said housing a listener's ear, said periphery being adapted to engage flexibly the head of the listener about the ear so as to enclose substantially completely the space between the sound emitter and the ear, said shell having integral stiffening ribs curved in three dimensions and extending along the outer surface of the shell.

Classifications:

International (IPC 8-9): A42B3/16 A42B3/30
H04R1/10 (Advanced/Invention);
A42B3/04 H04R1/10 (Core/Invention)
CPC: A42B3/166 A42B3/30 H04R1/1058 H04R5/0335
European: A42B3/16C A42B3/30 T04R1/10M T04R5/033H
US: 381/376



Family:

Publication number	Publication date	Application number	Application date
US2786102 A	19570319	US19520319134	19521106

Priority:

US19520319134 19521106

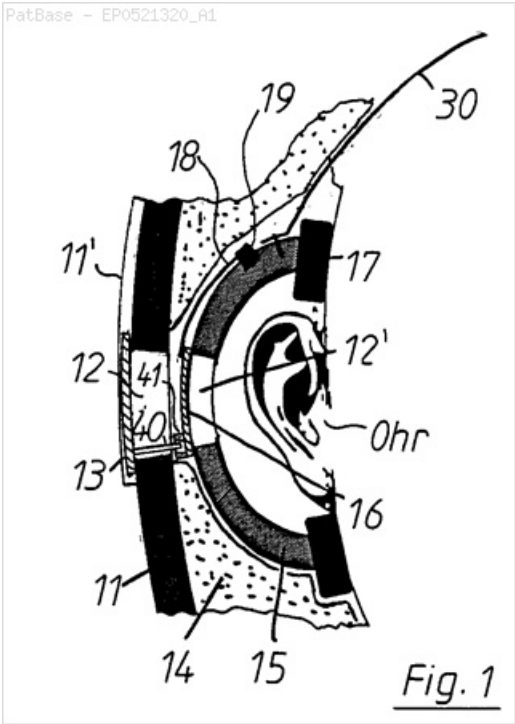
Probable Assignee: FRIEDER
Assignee(s): (std): FRIEDER
Inventor(s): (std): FINKEN WALTER S ; FRIEDER LEONARD P

Title: Protective helmet with an improved acoustical action.

Abstract: The invention relates to a protective helmet (10) having a visor (20), in particular one which can be swung open. The novel protective helmet is characterised in that it has on each side, lying directly opposite the auditory canal of each ear of the wearer, a sound-passage opening (12) with a variable closure mechanism (13, 13', 13'', 80), respectively closing and opening the sound-passage opening (12). The protective helmet preferably has, at least partially, a cushioning (14) and, provided on the cushioning in the region of each sound-passage opening (12), an inwardly open sound-insulating capsule (15), having a clearance (12').

Classifications:

International (IPC 8-9): A42B3/04 A42B3/16
A42B3/22 (Advanced/Invention)
International (IPC 1-7): A42B3/04 A42B3/16 A42B3/22 A42B3/30
CPC: A42B3/166 A42B3/222 A42B3/30
European: A42B3/16C A42B3/22B2 A42B3/30



Family:

Publication number	Publication date	Application number	Application date
DE4119906 C1	19920723	DE19914119906	19910617
DE59201126 D1	19950216	DE19925001126	19920611
EP0521320 A1	19930107	EP19920109800	19920611
EP0521320 B1	19950104	EP19920109800	19920611

Priority:

DE19914119906 19910617 DE19925001126 19920611

Probable Assignee: PILTZ HENRICH

Assignee(s): (std): HUETTENBRINK KARL BERND DR ; LINDEMANN JUERGEN DR ; PILTZ HENRICH

Assignee(s): PILTZ HENRICH 48301 NOTTULN DE ; PILTZ HENRICH 4405 NOTTULN DE ; LINDEMANN JUERGEN DR 4006 ERKRATH DE ; LINDEMANN JUERGEN DR 40699 ERKRATH DE ; HUETTENBRINK KARL BERND DR 4400 MÜNSTER DE ; HUETTENBRINK KARL BERND DR 48161 MÜNSTER DE

Inventor(s): (std): HUETTENBRINK KARL BERND DR ; LINDEMANN JUERGEN DR ; PILTZ HENRICH

Inventor(s): PILTZ HENRICH 48301 NOTTULN DE ; PILTZ HENRICH 4405 NOTTULN DE ; LINDEMANN JUERGEN DR 40699 ERKRATH DE ; HUETTENBRINK KARL BERND DR 48161 MÜNSTER DE

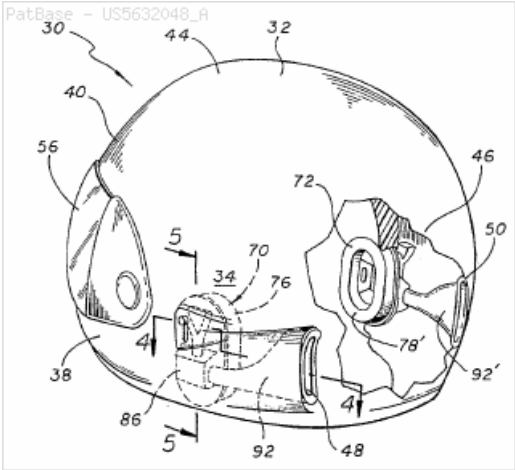
Designated states: DE ES FR GB IT

Title: Protector **hearing** helmet

Abstract: A helmet for use by riders of bicycles, motorcycles or other vehicles. Left and right **hearing** assemblies are mounted inside of the helmet. Each of the assemblies has an enclosed **ear** cup positioned to fit snugly over a respective one of the user's **ears**. Respective **hearing** conduits extend from the **ear** cups through the interior of the helmet to respective openings. Thereby while the **ear** cups block substantial wind noises, the **hearing** conduits direct desirable sounds, such as emergency sirens, other traffic noises and voices, to the user's **ears**. User operable actuators for closing and opening the **hearing** conduits as desired can be provided. Optional ventilation tubes direct cooling and drying air through openings in the **ear** cups to the user's **ears**. Gates or shutters supported by the helmet shell allow the user to open and dose the ventilation tubes as desired.

Classifications:

International (IPC 8-9): A42B3/04 A42B3/16
A42B3/28 (Advanced/Invention)
International (IPC 1-7): A42B3/00 A42B3/16 A42B3/28 A42B3/30
CPC: A42B3/166
European: A42B3/16C
US: 2/423 2/424



Family:

Publication number	Publication date	Application number	Application date
US5632048 A	19970527	US19950531111	19950920
WO9710732 A1	19970327	WO1996US14931	19960918

Priority:

US19950531111 19950920

Probable Assignee: PROTECTOR DEVELOPMENT

Assignee(s): (std): PROTECTOR DEV

Assignee(s): PROTECTOR DEVELOPMENT

Inventor(s): (std): ANDERSEN MARK ; BERNSTEIN LAWRENCE A ; MARTELL DAVID ; MORTELL DAVID

Designated states: AT BE CA CH DE DK ES FI FR GB GR IE IT JP LU MC NL PT SE

Title: Helmet with sound ducts

Abstract: A helmet for use with a bicycle, motorcycle or other vehicle. In one embodiment, a duct is located at each side of the helmet, and used for the dual functions of drawing air from the interior of the helmet and channeling ambient sounds inside the helmet where the sounds can be heard by a user. Sounds may be enhanced by the use of microphones, speakers, and other electronic equipment. The side ducts extend to the rear of the helmet and help to reduce drag and turbulence-induced vibration due to air flow. In another embodiment, separate air and sound ducts are located at each side of the helmet. The separate air and sound ducts function more efficiently because air and sound waves pass through different inlet ports and openings in the helmet. Breakaway joints may be used for the helmet. The breakaway joints provide increased protection for a user because the joints will break apart when the helmet is subjected to excessive forces, causing the air and sound ducts to break apart and separate from the rest of the helmet. The helmet has an adjustable face shield which may be moved forward or backward.

Classifications:

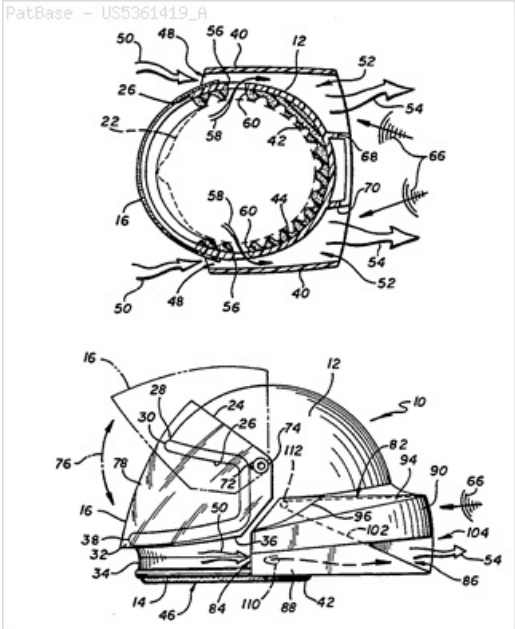
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International (IPC 1-7): A42B1/08 A42B3/28 A42B3/30

CPC: A42B3/0493 A42B3/163 A42B3/30

European: A42B3/04C A42B3/16B A42B3/30

US: 2/209 2/423 2/425



Family:

Publication number	Publication date	Application number	Application date
CA2118934 AA	19940311	CA19922118934	19920908
EP0605513 A1	19940713	EP19920919725	19920908
EP0605513 A4	19941221	EP19920919725	19920908
JP7509541 T2	19951019	JP19930505459T	19920908
US5361419 A	19941108	US19910760527	19910912
WO9304603 A1	19930318	WO1992US07579	19920908

Priority:

US19910760527 19910912 WO1992US07579 19920908

Probable Assignee: PROTECTOR DEV

Assignee(s): (std): PROTECTOR DEV

Assignee(s): PROTECTOR DEVELOPMENT ; PROTECTOR DEVELOPMENT A CA LTD ; BERNSTEIN LAWRENCE ALLEN

Inventor(s): (std): BERNSTEIN LAWRENCE A ; BERNSTEIN LAWRENCE ALLEN

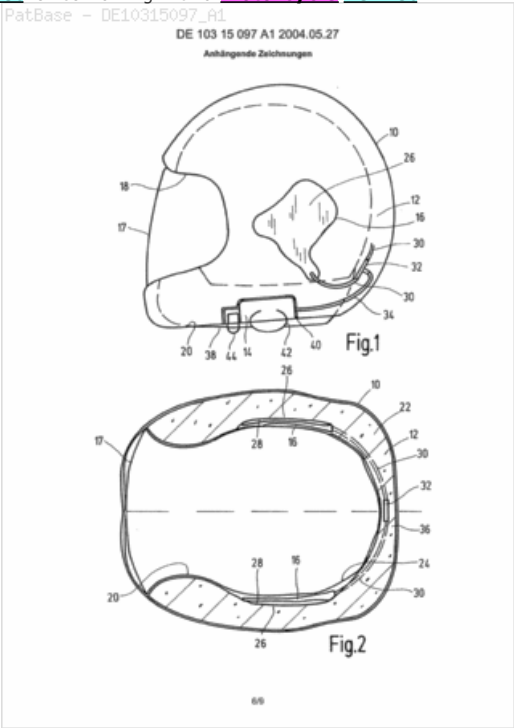
Agent(s): FETHERSTONHAUGH AND CO

Designated states: AT BE CA CH DE DK ES FR GB GR IE IT JP LU MC NL SE

Title: **MOTORCYCLE HELMET** FOR MOTORCYCLISTS COMPRISES AN OUTER SHELL CONTAINING PADDING HAVING TWO **EAR** PARTS FOR COVERING THE **EARS**, AND AN AIR CUSHION UNIT INTEGRATED IN EACH **EAR** PART AND INFLATED SO THAT IT PRESSES ON THE **EARS**

Abstract: **Motorcycle helmet** comprises an outer shell (10), and padding (12), preferably consisting of a foamed material, arranged inside the shell and having two **ear** parts (26) for covering the **ears** of the wearer. An air cushion unit (16) integrated in each **ear** part is inflated so that it presses on the **ears** in a sound-absorbing manner. Independent claims are also included for: (1) Alternative **motorcycle helmet**; and (2) **Helmet** for combining with a **motorcycle helmet**.

Classifications:
International (IPC 8-9): A42B1/04 A42B1/06 A42B3/10 A42B3/16 (Advanced/Invention); A42B1/04 A42B3/04 (Core/Invention)
International (IPC 1-7): A42B3/12 A42B3/16
CPC: A42B3/122 A42B3/166
European: A42B1/04D A42B1/06C A42B3/12B2 A42B3/16C



Family:

Publication number	Publication date	Application number	Application date
DE10315097 A1	20040527	DE20031015097	20030402

Priority:
DE20021052706 20021111 DE20031015097 20030402

Probable Assignee: MOENCH GOTTHOLD

Assignee(s): (std): MOENCH GOTTHOLD

Inventor(s): (std): MOENCH GOTTHOLD

Title: SPORTS CRASH HELMET HAVING HEAR PROTECTING ELEMENTS

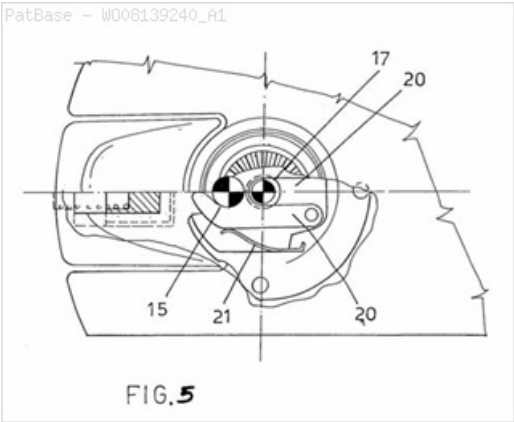
Abstract: The present invention relates to a crash helmet having a rigid or semi-rigid outer helmet cap, comprising two movable elements, one for each side, extending so as to complete a bottom edge of the helmet, for protecting the helmet regions substantially affecting a user ears, said movable elements being integral with said helmet cap and coupled to said cap by coupling means allowing said cap to be rotated and outward opened to free the user ear, while allowing the helmet to be put on and removed without folding or rubbing the user ear pavilions, or, without applying, for damaged users, an undesired stress to the spine of the users.

Classifications:

International (IPC 8-9): A42B3/16 A42B3/32 (Advanced/Invention);
A42B3/04 A42B3/32 (Core/Invention)

CPC: A42B3/166 A42B3/32

European: A42B3/16C A42B3/32



Family:

Publication number	Publication date	Application number	Application date
WO08139240 A1	20081120	WO2007IB01252	20070515

Priority:

WO2007IB01252 20070515

Probable Assignee: NAVA PIER LUIGI

Assignee(s): (std): NAVA PIER LUIGI

Inventor(s): (std): NAVA PIER LUIGI

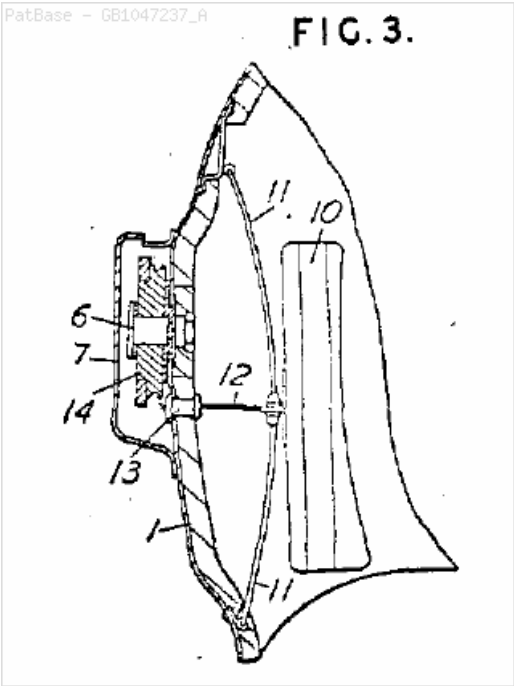
Agent(s): CICOGNA FRANCO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: Helmets.

Abstract: 1,047,237. Helmets. M.L. AVIATION CO. Ltd. Nov. 26, 1964 [Nov. 26, 1963], No. 46694/63. Heading A3V. To facilitate putting on and taking off a sound alternating helmet 1 **ear** pads 10 normally biased inwardly by springs 11 are linked by a cord 12 to a visor 3 (Fig. 2, not shown), in such a way that raising the visor draws the pads back against the helmet. The cord 12 is wound on a capstan 14 which turns with the visor 3 about pivots 6 protected by an outer cover 7. A microphone 4 (Fig. 2, not shown) is mounted on the visor. The helmet shell is lined with sound-insulating material 5 and carries adjustable pads 8, 9 of expanded plastics material.

Classifications:
International (IPC 8-9): A42B3/16 A42B3/22 (Advanced/Invention)
International (IPC 1-7): A42B3/00
CPC: A42B3/166 A42B3/228
European: A42B3/16C A42B3/22F



Family:

Publication number	Publication date	Application number	Application date
GB1047237 A	00000000		00000000

Title: PROTECTIVE HELMETS

Abstract: A protective helmet (60) having a circumferential support (61) mounting a helmet shell (62) and visor guides (81), a visor (80) movable within the shell (62) between lowered and raised positions and guided by the visor guides (81), a head harness (75) carried by the support (61) and ear defenders (90, 91) movably mounted at opposite sides of the helmet. The helmet has a removable air filter unit (71) which is fitted in an interference fit within an air inlet cavity of the helmet.

Classifications:

International (IPC 8-9): A42B3/16 A42B3/22 A42B3/28 A42B3/32

A62B18/04 (Advanced/Invention);

A42B3/04 A42B3/18 A42B3/32 A62B18/00 (Core/Invention)

International (IPC 1-7): A42B3/00 A42B3/16 A42B3/22 A42B3/28

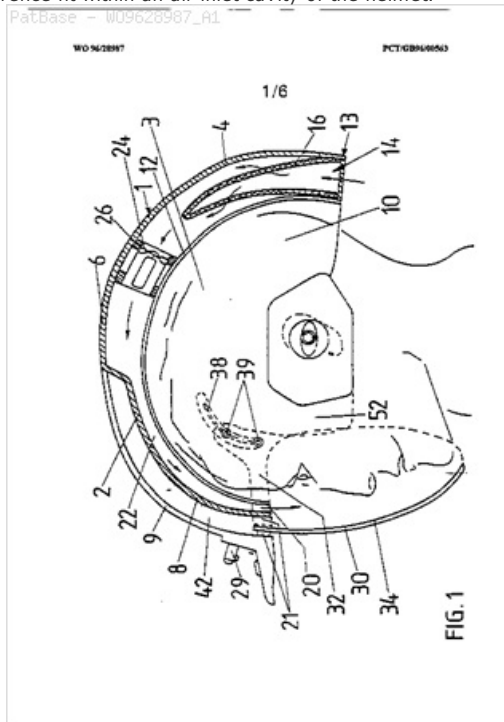
A42B3/32 A62B18/04

CPC: A42B3/166 A42B3/225 A42B3/28 A42B3/281 A42B3/32

A62B18/045

European: A42B3/16C A42B3/22C A42B3/28 A42B3/28B A42B3/32

A62B18/04A



Family:

Publication number	Publication date	Application number	Application date
AT182755 E	19990815	AT19960905950T	19960311
AU199649506 A1	19961008	AU19960049506	19960311
DE69603585 D1	19990909	DE19966003585	19960311
DE69603585 T2	20000113	DE19966003585T	19960311
EP0814678 A1	19980107	EP19960905950	19960311
EP0814678 B1	19990804	EP19960905950	19960311
ES2135878 T3	19991101	ES19960905950T	19960311
GB2298778 A1	19960918	GB19950005439	19950317
GB2298778 B2	19980422	GB19950005439	19950317
GB9505439 A0	19950503	GB19950005439	19950317
WO9628987 A1	19960926	WO1996GB00563	19960311
ZA9602027 A	19960926	ZA19960002027	19960313

Priority:

GB19950005439 19950317 WO1996GB00563 19960311

Probable Assignee: THETFORD MOULDED PROD LTD

Assignee(s): (std): THETFORD MOULDED PROD LTD ; PATON COLIN ANDREW ; FORREST JACQUES WILLIAM ; THETFORD MOULDED PRODUCTIONS L ; THETFORD MOULDED PRODUCTS LIM I ; BULBROOK LEE GEORGE ; CENTURION SAFETY PRODUCTS LIM I ; CENTURION SAFETY PRODUCTS LTD

Assignee(s): CENTURION SAFETY PRODUCTS LTD THETFORD ; CENTURION SAFETY PRODUCTS LIMITED ; THETFORD MOULDED PRODUCTS LIMITED ; THETFORD MOULDED PRODUCTIONS LIMITED ; THETFORD MOULDED PRODUCTIONS LTD ; THETFORD MOULDED PRODUCTS LTD

Inventor(s): (std): BULBROOK LEE ; BULBROOK LEE GEORGE ; FORREST JACQUES ; FORREST JACQUES WILLIAM ; PATON COLIN ; PATON COLIN ANDREW ; EILEIGH

Inventor(s): JACQUES WILLIAM FORREST ; LEE GEORGE BULBROOK ; COLIN ANDREW PATON

Designated states: AT AU BE CA CH DE DK ES FI FR GB GR IE IT JP LI LU MC NL PT SE US

Title: EAR PAD AND EAR PHONE SUPPORT FOR HELMETS

Abstract: (Claim 1) 1. A helmet comprising a shell having an **ear** covering portion, means within the **ear** covering portion defining an **ear** receiving cavity, said cavity having a bottom face and sidewalls, an **ear** protector pad within said cavity, a flexible tubular carrier bonded at one end to the peripheral edge of said pad and means to attach said carrier to the bottom face of said cavity over an area substantially less than that defined by the peripheral edge of said pad, said flexible carrier being the sole support for said pad within said cavity, whereby the pad is permitted to move laterally and vertically and to tilt and twist within said cavity to cover the wearer's **ears** and to conform to the position of the wearer's **ears** relative to said cavity.

Classifications:

International (IPC 8-9): A42B3/16 A42B3/30

H04R1/10 (Advanced/Invention);

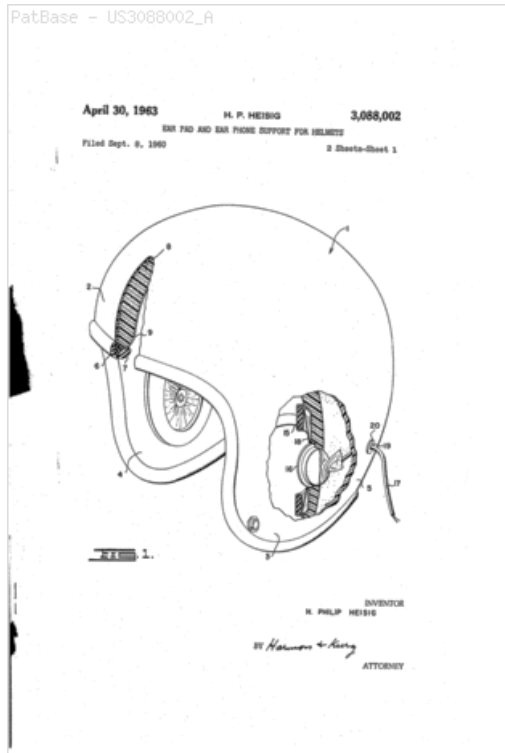
A42B3/04 H04R1/10 (Core/Invention)

International (IPC 1-7): H04M1/05

CPC: A42B3/166 A42B3/30 H04R1/1058

European: A42B3/16C A42B3/30 T04R1/10M

US: 2/422 381/376



Family:

Publication number	Publication date	Application number	Application date
US3088002 A	19630430	US19600054787	19600908

Priority:

US19600054787 19600908

Probable Assignee: BILL JACK SCIENT INSTR CO
Assignee(s): (std): BILL JACK SCIENT INSTR CO
Assignee(s): BILL JACK SCIENTIFIC INSTRUMENT CO
Inventor(s): (std): PHILIP HEISIG HENRY
Inventor(s): HEISIG HENRY PHILIP

Title: **HEARING** AID

Abstract: A **hearing** aid including two covers or cups covering the front of the **ear** forming acoustic horns 5 vented to the rear of the **ear** 2 which can either be incorporated into a **cycle helmet** 1 or attached to a harness for use without a **cycle helmet**. Electronic amplification may be included.

Classifications:

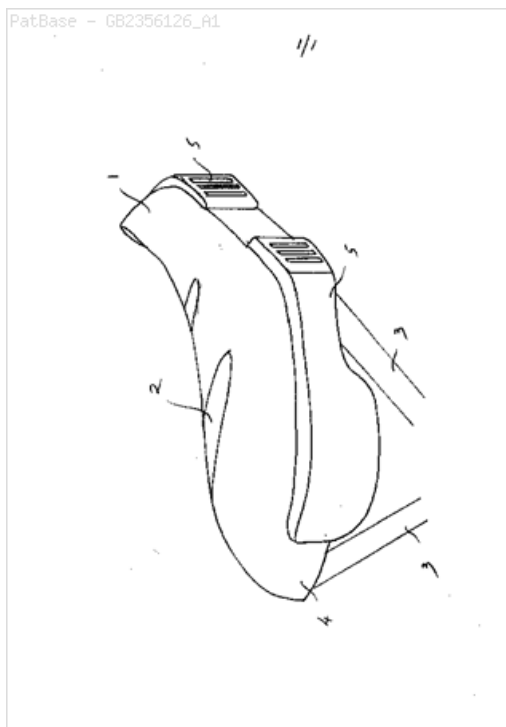
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A42B3/04 (Core/Invention)

International (IPC 1-7): A42B3/04 A42B3/30

CPC: A42B3/30

European: A42B3/30



Family:

Publication number	Publication date	Application number	Application date
GB199926651 A0	20000112	GB19990026651	19991111
GB2356126 A1	20010516	GB19990026651	19991111
GB9926651 A0	20000112	GB19990026651	19991111

Priority:

GB19990026651 19991111

Probable Assignee: ROGERS WAYLAND H

Assignee(s): (std): ROGERS WAYLAND H ; ROGERS WAYLAND HUGH

Assignee(s): WAYLAND HUGH ROGERS

Inventor(s): (std): ROGERS WAYLAND HUGH

Inventor(s): WAYLAND HUGH ROGERS

Title: SAFETY HELMET

Abstract: A safety helmet (1) has **ear** protectors (2) which are disposed so as to be vertically adjustable on the helmet and configured to be sound-permeable in the middle area.

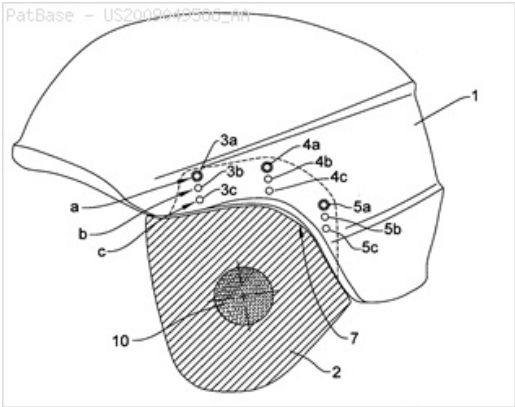
Classifications:

International (IPC 8-9): A42B1/08 A42B3/16 (Advanced/Invention); A42B1/04 A42B3/04 (Core/Invention)

CPC: A42B3/16

European: A42B3/16

US: 2/423



Family:

Publication number	Publication date	Application number	Application date
AT512601 E	20110715	AT20080013717T	20080731
DE102007038290 A1	20090219	DE200710038290	20070814
DE502008003834 D1	20110728	DE200850003834T	20080731
EP2025255 A2	20090218	EP20080013717	20080731
EP2025255 A3	20100324	EP20080013717	20080731
EP2025255 B1	20110615	EP20080013717	20080731
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