

1) Family number: 29793552 (US2002109922A)

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Title: OPTICAL STACK OF LAMINATED REMOVABLE LENSES FOR FACE SHIELDS, WINDOWS, AND DISPLAYS

Abstract: A stack of laminated transparent lenses consists of two alternating optically clear materials in intimate contact. The materials are a plastic lens and clear adhesive. The adhesive is uninterrupted. The lens and the adhesive have refraction mismatch of less than 0.2. A tab portion is part of each lens acts as an aid in peeling way the outermost lens after contamination of the lens layer during racing conditions. The lens stack can be mounted to the posts on the face shield or laminated directly to a windshield.

Classifications:

International (IPC 8-9): A42B3/22 A42B3/26 A61F9/02 B23B7/04 B32B27/04 B32B27/08 B32B27/36 B32B3/26 B32B7/06 B32B7/12 B60J1/20 B60J3/00 F21V9/04 F21V9/06 G02B1/10 G02B1/11 G02B27/14 G02B3/00 G02B5/08 G02B5/20 G06F1/16 (Advanced/Invention); B32B43/00 (Advanced/Non-invention); A42B3/18 A61F9/02 B32B7/06 B32B7/12 G02B27/14 (Core/Invention); B32B43/00 (Core/Non-invention)

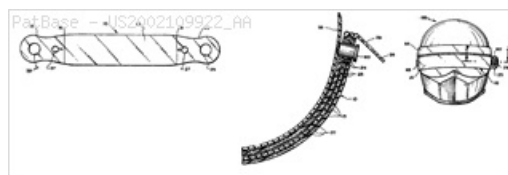
International (IPC 1-7): A41D25/02 A42B3/22 A42B3/26 A61F9/00 A61F9/02 B32B31/00 B32B7/06 G02B2/714 G02B27/14 G02B3/00 G02B3/06 G02B33/00 G02C3/00

CPC: B32B43/006 G02B3/0068 Y10T428/14 Y10T156/10 Y10T428/1471 A61F9/025 G02B1/105 B32B3/266 B32B27/08 B32B27/36 B32B2255/10 B32B2307/412 B32B2307/748 B32B2437/04 B32B2605/006 G02B1/18 B32B25/08 B32B2250/244 B32B2307/418 B32B2307/584 B32B2309/105 G02B1/11 B32B7/06 B32B3/02 B32B2307/732 B32B2419/00 B32B2457/20 G02B27/0006 A42B3/26 B32B7/12 B32B37/12 B32B2037/1276 B32B2307/40 B32B2367/00 B60J1/2094 G06F1/1609

European: A42B3/26 A61F9/02G B32B31/00A8B B32B37/12 B32B7/06 B32B7/12 B60J1/20C G06F1/16D6D L32B307/400 L32B367/00 L32B37/12C6 L32B43/00D

US: 1/1 156/60 2/15 2/150 2/150P 2/424 2/434 351/155 351/155S 359/359 359/507 359/601 359/630 359/630P 359/642 359/642P 428/40.1 428/41.47 428/41.7 428/42.17

Locarno class: 2 /15

**Family:**

Publication number	Publication date	Application number	Application date
AT332510 E	20060715	AT20020806423T	20020409
AT468190 E	20100615	AT20030734146T	20030522
AU2002366993 AA	20030730	AU20020366993	20020409
AU2002366993 AH	20030730	AU20020366993	20020409
AU2003239591 AA	20040106	AU20030239591	20030522
AU2003239591 AH	20040106	AU20030239591	20030522
CA2386043 AA	20031113	CA20022386043	20020513
CA2386043 C	20050802	CA20022386043	20020513
DE60213009 D1	20060817	DE20026013009T	20020409
DE60213009 D1	20060817	DE20026013009	20020409
DE60213009 T2	20070201	DE20026013009T	20020409
DE60332626 D1	20100701	DE20036032626	20030522
DE60332626 D1	20100701	DE20036032626T	20030522
EP1502146 A2	20050202	EP20020806423	20020409
EP1502146 A4	20050420	EP20020806423	20020409
EP1502146 B1	20060705	EP20020806423	20020409
EP1517791 A2	20050330	EP20030734146	20030522
EP1517791 A4	20060322	EP20030734146	20030522
EP1517791 B1	20100519	EP20030734146	20030522
US2002109922 AA	20020815	US20020050366	20020116
US2002159159 AA	20021031	US20020178140	20020624
US2003066118 AA	20030410	US20020039519	20020103
US2004145813 AA	20040729	US20040760806	20040120
US2004212894 AA	20041028	US20040845228	20040513
US2005002108 AA	20050106	US20040901946	20040729
US2005083582 AA	20050421	US20040974372	20041027
US2006285218 AA	20061221	US20060510532	20060825
US2007019300 AA	20070125	US20060510169	20060825
US2013089688 AA	20130411	US20090435212	20090504
US2014220283 AA	20140807	US20140243731	20140402
US2014247489 AA	20140904	US20140278232	20140515
US2017192131 AA	20170706	US20170462567	20170317
US6388813 BA	20020514	US19990449318	19991124
US6536045 BA	20030325	US20020039519	20020103
US6847492 BB	20050125	US20040845228	20040513
US6870686 BB	20050322	US20040760806	20040120
US7184217 BB	20070227	US20040974372	20041027
US8693102 BB	20140408	US20090435212	20090504
WO03060563 A2	20030724	WO2002US10971	20020409
WO03060563 A3	20041118	WO2002US10971	20020409
WO04000540 A2	20031231	WO2003US16284	20030522

Priority:

US19990449318 19991124	US20020039519 20020103	US20020050366 20020116
WO2002US10971 20020409	CA20022386043 20020513	US20020178140 20020624
WO2003US16284 20030522	US20040760806 20040120	US20040845228 20040513
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US20140243731 20140402	US20140278232 20140515	US20170462567 20170317

Probable Assignee: RACING OPTICS INC**Assignee(s):** (std): WILSON STEPHEN S ; WILSON SETH ; WILSON BART ; RACING OPTICS INC ; RACING OPTICS**Assignee(s):** HARBOR NATIONAL BANK**Inventor(s):** (std): BART WILSON ; SETH WILSON ; STEPHEN S WILSON ; WILSON BART ; WILSON SETH ; WILSON STEPHEN S ; WILSON S**Inventor(s):** WILSON STEPHEN**Agent(s):** FINLAYSON AND SINGLEHURST; GERVASI GEMMA; STETINA BRUNDA GARRED AND BRUCKER; RICHARD D SLEHOFER; STETINA BRENDA GARRED AND BRUCKER**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW**2) Family number: 56252947 (US2015181972A)**

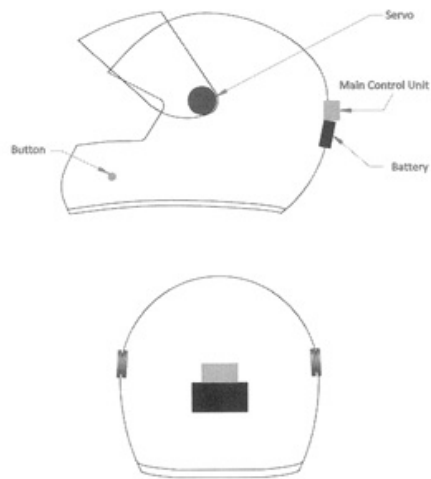
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Title: GPS CONTROLLED HELMET WINDSHIELD

Abstract: The invention is an apparatus comprising a GPS based electronic device mounted on a helmet. This device can detect the rider's speed at any given time and automatically control the windshield's position (open/close) based on the rider's preferences. In addition, the rider can override the automatic GPS mode by pressing a wireless button mounted on the motorcycle handlebar or an existing button on the helmet apparatus. The apparatus is a self contained unit that can be used in various applications. In the case of the motorcycle, the helmet has a feature enabling independent as well wireless handlebar controlled operation. However, as the helmet apparatus can function independently of the motorcycle, it can therefore be used for other types of vehicles requiring the use of an automatically controlled helmet windshield.

Classifications:**International (IPC 8-9):** A01F A42B1/08 A42B3/04 A42B3/18 A42B3/22 A42B3/30 A42C5/04 (Advanced/Invention)**CPC:** A42B3/0433 A42B3/22 A42B3/224**US:** 2/424**JP F-Term:** 3B107 3B107/BA08 3B107/CA02 3B107/DA08 3B107/EA05 3D115**JP F-Index:** A42B3/18 A42B3/30 B62J27/00/B

PatBase - US2015181972_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2013328269 AA	20140417	AU20130328269	20130915
CN104902770 A	20150909	CN201380062843	20130915
EP2906063 A1	20150819	EP20130845466	20130915
EP2906063 A4	20160622	EP20130845466	20130915
IL222345 A0	20130324	IL20120222345	20121010
JP2015536387 T2	20151221	JP20150536283T	20130915
US2015181972 AA	20150702	US20130418391	20130915
WO14057485 A1	20140417	WO20131L50780	20130915

Priority:

IL20120222345 20121010 WO20131L50780 20130915

Probable Assignee: DJERASSI AMIR**Assignee(s):** (std): DJERASSI AMIR**Assignee(s):** AMIR DJERASSI**Inventor(s):** (std): DJERASSI AMIR**Agent(s):** COLLISON AND CO; ZACCO GMBH; ASAMURA PATENT OFFICE PC**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU

CY CZ DE DK DM DO 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 LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX
MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN
ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 16219082 (US4633532A)

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Title: Helmet device

Abstract: A helmet device including a helmet body having an open front portion and a shielding mechanism attached to the helmet body so as to substantially shield such front portion of the helmet body. The shielding mechanism includes a see-through member permitting an outside view therethrough and a wiper mechanism for wiping the outer surface of the see-through member. The helmet device eliminates any need for manually wiping away raindrops or the like adhering to the outer surface of the see-through member, even when the helmet device is used in the rain or like conditions.

Classifications:

International (IPC 8-9): A42B1/18 A42B3/00 A42B3/04 A42B3/24

A42B3/26 A42B3/28 (Advanced/Invention);

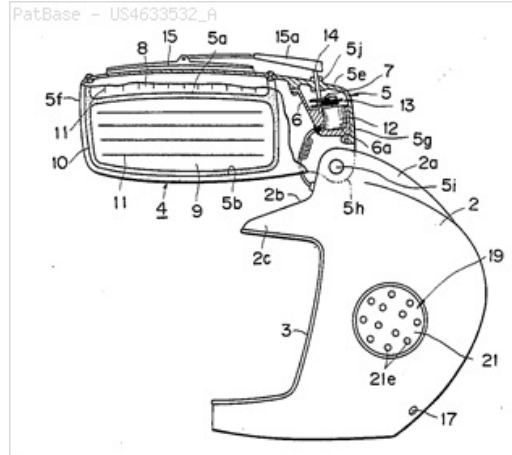
A42B1/00 A42B3/00 A42B3/04 A42B3/18 (Core/Invention)

International (IPC 1-7): A42B1/18 A42B3/00 A42B3/02

CPC: A42B3/26

European: A42B3/26

US: 15/250.3 2/424 2/435 2/438



Family:

Publication number	Publication date	Application number	Application date
JP57176428 U1	19821108	JP19810064597U	19810501
JP57199805 A2	19821207	JP19810080379	19810527
US4633532 A	19870106	US19840648343	19840906

Priority:

JP19810064597U 19810501 JP19810080379 19810527 US19820372708 19820428

Probable Assignee: HONDA MOTOR CO LTD

Assignee(s): (std): HONDA MOTOR CO LTD

Assignee(s): HONDA GIKEN KOGYO KABUSHIKI KAISHA ; HONDA GIKEN KOGYO KK

Inventor(s): (std): YAGASAKI AKIO

4) Family number: 13462655 (DE19704781A1)

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Title: Safety helmet visor aid

Abstract: A flexible wiper (9) extends along the upper visor surface and is guided in relation to this (2) but at the same time fixed in relation to the safety helmet itself (1). The wiper is held by holders (10, 11) at the helmet connections (5, 6), or again is held at the rim of the visor and can move vertically or move horizontally in relation to the visor. The wiper (9) should be guided by the visor at the holders (10, 11) and the visor is in turn exposed on one of its surfaces to a multiple wiper element (9). The wiper is fitted with a grip and has a latch fitment to engage a catch in the helmet area. Additional components include the visor holders (3, 4) in press-stud form as also those of the helmet (5, 6) and the visor viewing aperture (7) which in turn has ventilating holes (8) arranged below the helmet opening.

Classifications:

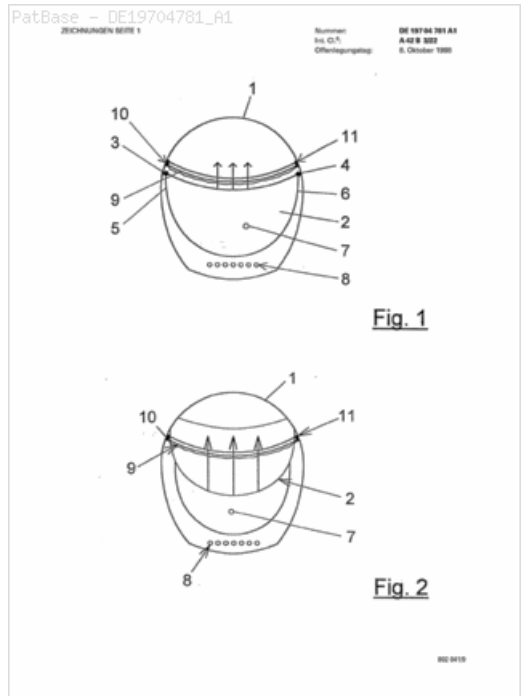
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A42B3/18 (Core/Invention)

International (IPC 1-7): A42B3/22 A42B3/26

CPC: A42B3/26

European: A42B3/26



Family:

Publication number	Publication date	Application number	Application date
DE19704781 A1	19981008	DE19971004781	19970208

Priority:

DE19971004781 19970208

Probable Assignee:

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Assignee(s): (std):

VISENTIN MARJORIE

Assignee(s):

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Inventor(s): (std):

VISENTIN MARJORIE

Inventor(s):

VISENTIN MARJORIE 23570 LUEBECK DE

5) Family number: 41470340 (US2008184464A)

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Title: DETACHABLE V-SHAPED VISOR WIPER APPARATUS FOR PROTECTIVE HELMET

Abstract: A helmet includes a windscreen with a housing for holding a windscreen wiper device being positioned in a chin portion of the helmet. A motive power fitting is provided for a windscreen wiper head and a windscreen wiper rod. The motive power fitting is fixed inside a casing. The windscreen wiper rod coordinates with a fixing axle with one side of the windscreen wiper rod being connected to the conveying portion of the motive power and the other side of the windscreen wiper rod being connected to the windscreen wiper head. The windscreen wiper device on the windscreen wiper head is tightly fixed on the protection windscreen on the protection helmet. The windscreen wiper device includes a power supply with the output being connected to the motive power device. The helmet may be used by a driver on a rainy or foggy day for increasing safety during such weather.

Classifications:

International (IPC 8-9): A42B3/26 (Advanced/Invention);

A42B3/18 (Core/Invention)

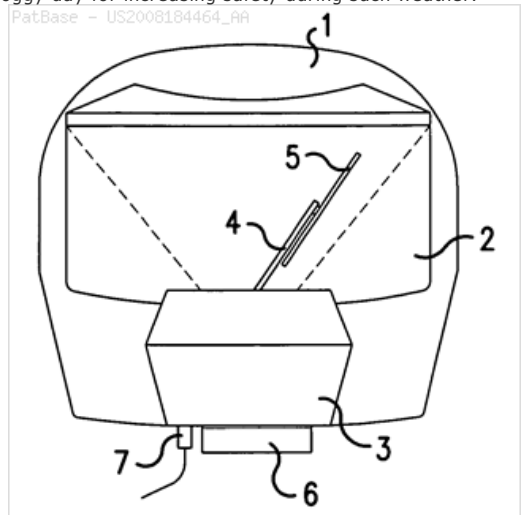
CPC: A42B3/26

European: A42B3/26

US: 15/250.3 2/422 2/427

JP F-Term: 3B107 3B107/BA08 3B107/DA13 3B107/EA19

JP F-Index: A42B3/26



Family:

Publication number	Publication date	Application number	Application date
CN201005107 Y	20080116	CN200720118473U	20070206
JP2008190105 A2	20080821	JP20080007412	20080116
US2008184464 AA	20080807	US20080068319	20080205

Priority:

CN200720118473U 20070206

Probable Assignee:

JIAWEI CHEN

Assignee(s): (std):

CHEN KA WAI ; JIAWEI CHEN

Assignee(s):

CHEN JIAWEI

Inventor(s): (std):

CHEN KA WAI ; JIAWEI CHEN

Inventor(s):

CHEN JIAWEI

Agent(s):

BIRCH STEWART KOLASCH AND BIRCH

6) Family number: 76045029 (CN209449758U)

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Title: MOTORCYCLE HELMET

Abstract: The utility model discloses a motorcycle helmet. The helmet comprises a helmet body and a wind shield mirror arranged on the front side of the helmet body. The utility model is characterized in that it is characterized in that, the helmet further comprises a windscreen wiper mechanism arranged in front of the helmet body. The windscreen wiper mechanism comprises a driving motor fixed to the top of the helmet body. Wherein the long-strip-shaped wiper blade is arranged on the front side of the windshield mirror in an attached mode, and the whole wiper blade is vertically arranged. A crank and rocker mechanism is further arranged at the top of the helmet body, the power output end of the driving motor is connected with a crank of the crank and rocker mechanism and can drive the crank to rotate, and a rocker in the crank and rocker mechanism is connected with the upper end of the windscreen wiper blade and can drive the windscreen wiper blade to swing back and forth in the horizontal circumferential direction of the windscreen. The utility model has the advantages that fog and rainwater can be better cleaned, the rainwater can be better discharged, and the safety performance is higher.

Classifications:

International (IPC 8-9): A42B3/26 A42B3/32 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN209449758 U	20191001	CN201821340579U	20180820

Priority:

CN201821340579U 20180820

Probable Assignee: UNIV YANGTZE NORMAL

Assignee(s): (std): UNIV YANGTZE NORMAL

Assignee(s): YANGTZE NORMAL UNIV

Inventor(s): (std): ZHANG YAN ; ZHONG PENGYAN ; MA JING ; YU XINXIN ; YANG YUNLIN ; LI HAIJUN