

**CPC****COOPERATIVE PATENT CLASSIFICATION****A42B****HATS; HEAD COVERINGS** ([headbands](#), [head-scarves](#) [A41D 20/00](#), [A41D 23/00](#))**A42B 1/00****Hats; Caps; Hoods**

A42B 1/002

- . {Devices or supports adapted to retain the shape of hats (for changing the size [A42C 3/00](#))}

A42B 1/004

- . { with special decorative arrangements or effects}

A42B 1/006

- . { convertible or adapted for other uses}

A42B 1/008

- . { Head coverings with environmental control, e.g. for heating or cooling ([ventilating arrangements for head coverings](#) [A42C 5/04](#))}

A42B 1/02

- . Hats; Stiff caps

A42B 1/04

- . Soft caps; Hoods

A42B 1/041

- .. {Generally peakless soft head coverings, e.g. turbans, berets ([A42B 1/045](#), [A42B 1/046](#) take precedence)}

A42B 1/043

- ... {for use in hospital or food industries, e.g. sanitary or disposable caps}

A42B 1/045

- .. {fastened under the chin, e.g. bonnets}

A42B 1/046

- .. {Balaclavas or the like}

A42B 1/048

- .. { characterised by hoods being attachable to garments}

A42B 1/06

- .. Caps with flaps; Motoring caps; Caps with means for protecting the eyes, ears, or nape of neck ([ear and nape protecting devices in general](#) [A41D](#)); Caps with airpads or removable linings

A42B 1/061

- ... {Caps or soft head coverings with means for protecting the eyes; Uniform caps}

A42B 1/062

- .... {Peaks; Visors}

A42B 1/063

- ..... { with stiffening means}

A42B 1/064

- ..... { detachable or movable, e.g. rotatable}

A42B 1/065

- ..... { extensible or telescopic}

A42B 1/066

- ... {Caps or soft head coverings with means for protecting the ears or nape of neck; Caps with flaps; Motoring caps}

A42B 1/067

- .... {with removable protection of the nape of neck, e.g. sun or rain shields}

A42B 1/068

- .... {with additional protection for the ears; Removable ear muffs}

A42B 1/069

- ... {Linings}

A42B 1/08

- .. with protection against blows ([head-guards for sporting purposes](#) [A63B 71/10](#))

A42B 1/10

- ... Miners` caps {([A42B 3/04](#) takes precedence)}

A42B 1/12

- .. Bathing caps

A42B 1/14

- . Straw hats; Substitutes therefor

A42B 1/16

- . Ladies` millinery

A42B 1/18

- . with coverings for protecting against dust, rain, or sunshine

A42B 1/20

- . Collapsible hats; Hats made of separable parts

A42B 1/201

- .. { Collapsible or foldable hats}

A42B 1/203

- .. { Inflatable hats}

A42B 1/205

- .. { Hats made of separable parts}

- A42B 1/206 .. { Transformable, convertible, reversible hats}
  - A42B 1/208 .. { Hats made from a flat sheet}
  - A42B 1/22 . adjustable in size; {Form-fitting or self adjusting head coverings; Devices for reducing hat size}
  - A42B 1/225 .. { with openings for hair}
  - A42B 1/24 . with means for attaching articles thereto, e.g. memorandum tablets, mirrors, lamps, insignia; {Head coverings with pockets}
  - A42B 1/241 .. { Pockets therefor; Headcoverings with pockets}
  - A42B 1/242 .. { Means for mounting detecting, signalling or lighting devices}
  - A42B 1/244 ... { Means for mounting lamps}
  - A42B 1/245 .. { Means for mounting audio or communication systems}
  - A42B 1/247 .. { Means for attaching eyewear (arrangements for supporting by headgear [G02C 3/02](#))}
  - A42B 1/248 .. { Insignia, logo emblems or the like}
- A42B 3/00** **Helmets; Helmet covers; { Other protective head coverings}** ({ protective garments [A41D 13/00](#); hoods for welders [A61F 9/06](#); hoods as protection against chemical agents or for use at high altitudes [A62B 17/00](#); gas helmets [A62B 18/04](#); swimming helmets [A63B 33/00](#); { head guards for sporting purposes [A63B 71/10](#)}; defence protection helmets [F41H 1/04](#))
- A42B 3/003 . {Helmet covers}
  - A42B 3/006 . { Means for transporting or storing helmets}
  - A42B 3/04 . Parts, details or accessories of helmets
  - A42B 3/0406 .. {Accessories for helmets}
  - A42B 3/0413 ... {Anti-theft arrangements (attaching helmets to cycles [B62J 11/005](#); locks [E05](#))}
  - A42B 3/042 ... { Optical devices (night vision goggles [G02B 23/12](#))}
  - A42B 3/0426 .... {Rear view devices or the like}
  - A42B 3/0433 ... {Detecting, signalling or lighting devices}
  - A42B 3/044 .... {Lighting devices, e.g. helmets with lamps}
  - A42B 3/0446 ..... { intended to light the way ahead}
  - A42B 3/0453 .... { Signalling devices, e.g. auxiliary brake or indicator lights}
  - A42B 3/046 .... { Means for detecting hazards or accidents}
  - A42B 3/0466 .... { Means for detecting that the user is wearing a helmet}
  - A42B 3/0473 ... { Neck restraints}
  - A42B 3/048 ... { Hydration systems}
  - A42B 3/0486 ... { Airbags}
  - A42B 3/0493 .. { Aerodynamic helmets; Air guiding means therefor}
  - A42B 3/06 .. Impact-absorbing shells, e.g. of crash helmets
  - A42B 3/061 ... {External coatings, e.g. with light reflective material (helmet covers [A42B 3/003](#))}
  - A42B 3/062 ... { with reinforcing means}
  - A42B 3/063 .... { using layered structures}
  - A42B 3/064 ..... { with relative movement between layers}

A42B 3/065	....	{ Corrugated or ribbed shells}
A42B 3/066	...	{ specially adapted for cycling helmets, e.g. for soft shelled helmets}
A42B 3/067	...	{ with damage indication means}
A42B 3/068	...	{ with preferential fracture zones}
A42B 3/069	...	{ with soft external layer, e.g. for use in impact sports}
A42B 3/08	..	Chin straps or similar retention devices
A42B 3/085	...	{ Occipital retention systems}
A42B 3/10	..	Linings ( <a href="#">A42B 3/16</a> takes precedence)
A42B 3/105	...	{ with additional protection for the neck (protective garments for neck or shoulder area <a href="#">A41D 13/0512</a> )}
A42B 3/12	...	Cushioning devices
A42B 3/121	....	{ with at least one layer or pad containing a fluid}
A42B 3/122	.....	{ inflatable}
A42B 3/124	....	{ with at least one corrugated or ribbed layer}
A42B 3/125	....	{ with a padded structure, e.g. foam}
A42B 3/127	.....	{ with removable or adjustable pads}
A42B 3/128	.....	{ with zones of different density}
A42B 3/14	...	Suspension devices
A42B 3/142	....	{ with restraining or stabilizing means, e.g. nape straps ( <a href="#">A42B 3/085</a> takes precedence)}
A42B 3/145	....	{ Size adjustment devices}
A42B 3/147	....	{ Anchoring means}
A42B 3/16	..	Ear protection devices
A42B 3/163	...	{ Wind or noise deflectors}
A42B 3/166	...	{ Integral hearing protection}
A42B 3/18	..	Face protection devices
A42B 3/185	...	{ Securing goggles or spectacles on helmet shells}
A42B 3/20	...	Face guards, e.g. for ice hockey ( <a href="#">A42B 3/22</a> takes precedence)
A42B 3/205	....	{ Chin protectors}
A42B 3/22	...	Visors
A42B 3/221	....	{ Attaching visors to helmet shells, e.g. on motorcycle helmets}
A42B 3/222	.....	{ in an articulated manner, e.g. hinge devices}
A42B 3/223	.....	{ with means for locking the visor in a fully open, intermediate or closed position}
A42B 3/224	.....	{ with electrical actuation means}
A42B 3/225	....	{ with full face protection, e.g. for industrial safety applications}
A42B 3/226	....	{ with sunscreens, e.g. tinted or dual visor}
A42B 3/227	....	{ with sun visors, e.g. peaks above face opening}
A42B 3/228	....	{ for military or aviation applications (protection helmets <a href="#">F41H 1/04</a> ; breathing masks or helmets <a href="#">A62B 18/00</a> )}
A42B 3/24	....	with means for avoiding fogging or misting

A42B 3/245	.....	{ using means for heating, e.g. electric heating of the visor}
A42B 3/26	....	with cleaning means, e.g. wipers; {Movable or interchangeable vision films or sheets}
A42B 3/28	..	Ventilating arrangements ( <a href="#">A42B 3/24</a> takes precedence)
A42B 3/281	...	{ Air ducting systems}
A42B 3/283	....	{ Air inlets or outlets, with or without closure shutters}
A42B 3/285	...	{ with additional heating or cooling means}
A42B 3/286	...	{ with forced flow, e.g. by a fan}
A42B 3/288	...	{ with means for attaching respirators or breathing masks}
A42B 3/30	..	Mounting radio sets or communication systems (methods or devices for transmitting, conducting or directing sound <a href="#">G10K 11/18</a> ; electric communication technique <a href="#">H04</a> )
A42B 3/303	...	{ Communication between riders or passengers}
A42B 3/306	...	{ Audio entertainment systems}
A42B 3/32	.	Collapsible helmets; Helmets made of separable parts ( <a href="#">A42B 3/04</a> takes precedence); {Helmets with movable parts, e.g. adjustable}
A42B 3/322	..	{Collapsible helmets}
A42B 3/324	..	{Adjustable helmets}
A42B 3/326	..	{Helmets with movable or separable chin or jaw guard}
A42B 3/328	..	{ with means to facilitate removal, e.g. after an accident}
<b>A42B 5/00</b>		<b>Veils; Holders for veils</b>
<b>A42B 7/00</b>		<b>Fastening means for head coverings; Elastic cords; Ladies` hat fasteners (<a href="#">hat-pins A44B 9/06</a>)</b>