

**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 (hat-pins <a href="#">A44B 9/06</a>)</b>