

Title (en)
LINING FOR HELMETS

Publication
EP 0088959 A3 19860108 (DE)

Application
EP 83102124 A 19830304

Priority
DE 3209192 A 19820313

Abstract (en)
[origin: ES270806U] An inner structure of a protective helmet secured to a helmet shell comprises a head bearing ring, a plurality of belt straps forming a spider and each having an end secured to the helmet shell and a plurality of fasteners each corresponding to the respective belt strap and formed of plastics. Each fastener has a shackle-shaped portion connected to the end of the respective belt strap. The head bearing ring is formed of plastics. Each fastener is connected to the head bearing ring by a hinge joint and formed integrally therewith such that the fastener is pivoted relative to the head bearing ring.

IPC 1-7
A42B 3/00

IPC 8 full level
A42B 3/00 (2006.01); **A42B 3/14** (2006.01)

CPC (source: EP US)
A42B 3/14 (2013.01 - EP US); **A42B 3/147** (2013.01 - EP US)

Citation (search report)

- [X] US 3156922 A 19641117 - ANDERSON MARSHALL N
- [X] DE 1800716 A1 19690814 - SCHUESSLER WALTER EMIL, et al
- [X] US 3696441 A 19721010 - LITTLETON ARNOLD B
- [Y] US 3696440 A 19721010 - LITTLETON ARNOLD B
- [Y] US 4055860 A 19771101 - KING JOHN H
- [Y] US 3041621 A 19620703 - BROCKWAY BROCK F
- [A] US 3897596 A 19750805 - AILEO JACKSON A, et al
- [A] US 3633214 A 19720111 - NEWCOMB WILLIAM E
- [A] US 3388405 A 19680618 - SIMPSON JACK N, et al
- [A] US 2286843 A 19420616 - CATALANE BARTHOLOMEW W, et al
- [A] US 3555560 A 19710119 - RASCHKE HERBERT A
- [A] DE 7247821 U 19730405
- [A] FR 2229363 A1 19741213 - PARMELEE IND INC [US]
- [A] FR 1347858 A 19640104 - S O F R A F SA
- [A] AU 114066 A 19670803
- [A] GB 828133 A 19600217 - CHRISTIAN ZAHN

Cited by
WO9945807A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0088959 A2 19830921; EP 0088959 A3 19860108; EP 0088959 B1 19880420; AT E33533 T1 19880515; AU 1239283 A 19830915; AU 552450 B2 19860529; BR 8301237 A 19831122; CA 1186451 A 19850507; DE 3209192 A1 19831006; DE 3209192 C2 19850829; DE 3376288 D1 19880526; DK 110483 A 19830914; DK 110483 D0 19830307; DK 152781 B 19880516; DK 152781 C 19881010; ES 270806 U 19830816; ES 270806 Y 19841201; FI 71658 B 19861031; FI 71658 C 19870209; FI 830814 A0 19830310; FI 830814 L 19830914; NO 155524 B 19870105; NO 155524 C 19870415; NO 830863 L 19830914; PT 76373 A 19830401; PT 76373 B 19851118; US 4527290 A 19850709; ZA 831728 B 19831130

DOCDB simple family (application)
EP 83102124 A 19830304; AT 83102124 T 19830304; AU 1239283 A 19830311; BR 8301237 A 19830311; CA 423569 A 19830314; DE 3209192 A 19820313; DE 3376288 T 19830304; DK 110483 A 19830307; ES 270806 U 19830311; FI 830814 A 19830310; NO 830863 A 19830311; PT 7637383 A 19830310; US 47510183 A 19830314; ZA 831728 A 19830314