

Title (en)  
PROTECTIVE HEADGEAR COMPRISING TEMPERATURE CONTROL APPARATUS

Title (de)  
SCHUTZHELM MIT TEMPERATURREGELUNGSVORRICHTUNG

Title (fr)  
CASQUE DE PROTECTION COMPRENANT UN APPAREIL DE RÉGULATION DE TEMPÉRATURE

Publication  
**EP 3261473 A4 20181031 (EN)**

Application  
**EP 15883053 A 20150224**

Priority  
IB 2015051378 W 20150224

Abstract (en)  
[origin: WO2016135529A1] A protective headgear, such as a hard hat, is provided that comprises a protective outer shell, which surrounds the head of a wearer and in so doing defines a space between the head of the wearer and the underside of the outer shell; a heat-absorbing member; and a forced air ventilation apparatus. In use, the heat-absorbing member is positioned within the outer shell in the space formed between the head of the wearer and the outer shell, so that the forced air ventilation apparatus can provide a flow of ambient air from outside of the outer shell over the heat-absorbing pad within the space between the head of the wearer and the underside of the outer shell, thereby creating a cooling circulation of air around the head and face of the wearer. Suitably, the heat-absorbing pad comprises a phase-change material (PCM). The headgear may also comprise temperature sensors and systems for monitoring the temperature of the wearer remotely.

IPC 8 full level  
**A42B 3/04** (2006.01)

CPC (source: EP US)  
**A42B 3/286** (2013.01 - EP US); **A42B 3/06** (2013.01 - US)

Citation (search report)

- [XY] US 7921473 B1 20110412 - WINTERS TYLER D [US]
- [XY] US 2011231977 A1 20110929 - RUPNICK CHARLES J [US], et al
- [Y] US 2014196198 A1 20140717 - COHEN YOCHANAN [US]
- [Y] EP 2087802 A2 20090812 - IDENTEC SOLUTIONS AG [AT]
- See references of WO 2016135529A1

Cited by  
DE202024103134U1; WO2023175624A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2016135529 A1 20160901**; EP 3261473 A1 20180103; EP 3261473 A4 20181031; EP 3261473 B1 20210901; ES 2898471 T3 20220307; US 2018160761 A1 20180614

DOCDB simple family (application)  
**IB 2015051378 W 20150224**; EP 15883053 A 20150224; ES 15883053 T 20150224; US 201515553401 A 20150224