

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 B1 20210901 (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 3/28 (2006.01); **A42B 3/04** (2006.01)

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

Citation (examination)
US 4893356 A 19900116 - WATERS WILLIAM A

Cited by
WO2023175624A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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