

Title (en)

HELMET OMNIDIRECTIONAL ENERGY MANAGEMENT SYSTEMS AND METHODS

Title (de)

SYSTEME UND VERFAHREN ZUR OMNIDIREKTIONALEN HELMENERGIEVERWALTUNG

Title (fr)

SYSTÈMES ET PROCÉDÉS DE GESTION D'ÉNERGIE OMNIDIRECTIONNELLE DE CASQUE

Publication

EP 3310197 A1 20180425 (EN)

Application

EP 16735776 A 20160617

Priority

- US 201562181121 P 20150617
- US 201562188598 P 20150703
- US 2016038259 W 20160617

Abstract (en)

[origin: WO2016209740A1] Systems and methods of a safety helmet for protecting the human head against repetitive impacts, moderate impacts and severe impacts so as to significantly reduce the likelihood of both translational and rotational brain injury and concussions may be provided. The helmet (1400) comprising: an outer shell; an outer liner (1402) disposed within and coupled to the outer shell; an inner liner (1404) disposed within and coupled to the outer liner (1402); an aligner (1440) coupled to the outer liner (1402) and the inner liner (1404) and configured to position the outer liner (1402) relative to the inner liner (1404); and a damper (1442) configured to allow omnidirectional movement of the inner liner (1404) relative to the outer liner (1402) and the outer shell.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2016209740A1

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BA ME

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