

Title (en)

RATCHET ASSEMBLY FOR PROTECTIVE HEADGEAR

Title (de)

KLINKENANORDNUNG FÜR EINE SCHÜTZENDE KOPFBEDECKUNG

Title (fr)

ENSEMBLE CASQUE DE PROTECTION

Publication

EP 4272591 A2 20231108 (EN)

Application

EP 23198902 A 20210204

Priority

- IN 202011006628 A 20200215
- EP 21155333 A 20210204

Abstract (en)

A ratchet assembly for a head protection device is provided. The ratchet assembly comprises a first cover and a ratchet gear. The first cover defines an aperture and has a locking element disposed along the aperture. The ratchet gear comprises a plurality of ratchet gear teeth, and the locking element is engaged with a ratchet gear tooth of the plurality of ratchet gear teeth of the ratchet gear to restrict rotation of the ratchet gear in a direction. The ratchet assembly also comprises a knob and a second cover. The knob comprises a plurality of knob gears disposed on the interior of the knob, and the second cover has a protrusion. The knob is coupled to the protrusion of the second cover.

IPC 8 full level

A42B 3/14 (2006.01)

CPC (source: CN EP US)

A42B 3/08 (2013.01 - CN US); **A42B 3/145** (2013.01 - EP US)

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)

EP 3864988 A1 20210818; EP 3864988 B1 20231101; CN 113261739 A 20210817; EP 4272591 A2 20231108; EP 4272591 A3 20240117; US 2021251329 A1 20210819

DOCDB simple family (application)

EP 21155333 A 20210204; CN 202110187521 A 20210218; EP 23198902 A 20210204; US 202117171056 A 20210209