

Title (en)
WELDING HELMET HAVING AN ADJUSTABLE PROTECTIVE SHIELD

Title (de)
SCHWEISSHELM MIT EINEM VERSTELLBAREN SCHUTZSCHILD

Title (fr)
CASQUE DE SOUDAGE AYANT UN BOUCLIER DE PROTECTION RÉGLABLE

Publication
EP 3597063 A1 20200122 (EN)

Application
EP 18183870 A 20180717

Priority
EP 18183870 A 20180717

Abstract (en)
A welding helmet (1) that has a protective shield (2) and a head suspension system (6). The protective shield (2) and the head suspension system (6) are pivotally connected to each other for swiveling the protective shield (2) between a protective position, in which the protective shield (2) covers a wearer's face, and an upraised position, in which the protective shield (2) uncovers the wearer's face. The welding helmet (1) further has a stop mechanism (10) that restricts downward swiveling beyond the protective position. The stop mechanism (10) has a spline coupling (12) that enables the stop mechanism (10) to be adjusted between a low position and a high position. In the low position the protective position of the protective shield (2) is offset downward with respect to the high position. The spline coupling (12) has a male spline part (13) and a female spline part (14) that are resiliently urged for engagement with each other. The male spline part (13) and the female spline part (14) are disengageable from each other for adjusting the stop mechanism (10).

IPC 8 full level
A42B 3/22 (2006.01)

CPC (source: EP)
A42B 3/223 (2013.01); **A42B 3/225** (2013.01)

Citation (search report)
• [XAI] WO 0113749 A1 20010301 - MINE SAFETY APPLIANCES CO [US]
• [A] JP H07216622 A 19950815 - KOKEN KK
• [A] US 2015040292 A1 20150212 - KOH HO SEONG [KR]
• [A] US 2010095438 A1 20100422 - MOELKER MICHAEL G [US]
• [A] EP 3213726 A1 20170906 - OPTREL AG [CH]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3597063 A1 20200122; WO 2020016688 A1 20200123

DOCDB simple family (application)
EP 18183870 A 20180717; IB 2019055445 W 20190627