

Title (en)
SPECTACLES WITH AUTOMATICALLY OPENING TEMPLES

Title (de)
BRILLE MIT AUTOMATISCH ÖFFNENDEN BÜGELN

Title (fr)
LUNETTE AVEC BRANCHES À OUVERTURE AUTOMATIQUE

Publication
EP 3215887 A1 20170913 (FR)

Application
EP 14835666 A 20141224

Priority
• FR 1402527 A 20141107
• FR 2014000305 W 20141224

Abstract (en)
[origin: WO2016071578A1] The invention relates to spectacles of the type comprising an optical or solar frame front (11) and two temples (12, 13), each temple being connected to the one frame (14) or directly to the frame front via a tenon (15, 16) and an associated joint, spectacles characterized in that one joint comprises two connection elements (21, 22), one connection element being a magnetic element and the other connection element being a magnetic or ferromagnetic element, a first connection element (21) being rigidly attached to the tenon and a second connection element (22) being rigidly attached to the temple, the temple being able to move between: • a stable open position in which a contact area of the first connection element and a maximum contact area of the second connection element together form a joint face on the maximum surface opening, a magnetic attraction force (F) of the at least one connection element holding the two connection elements rigidly, and • and an unstable closed position where the contact area of the first connection element and a minimum contact area of the second connection element together form a joint face on the minimal surface closing, such that the magnetic attraction force (F) is sufficient to summon the temple into the open position. Application to the production of automatically opening spectacles.

IPC 8 full level
G02C 5/22 (2006.01)

CPC (source: EP)
G02C 5/2272 (2013.01); **G02C 2200/02** (2013.01); **G02C 2200/08** (2013.01); **G02C 2200/32** (2013.01)

Citation (search report)
See references of WO 2016071578A1

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)
WO 2016071578 A1 20160512; EP 3215887 A1 20170913; FR 3028327 A1 20160513; FR 3028327 B1 20161202

DOCDB simple family (application)
FR 2014000305 W 20141224; EP 14835666 A 20141224; FR 1402527 A 20141107