Title (en)

Adjustment lever, particularly for automotive HVAC applications, with clearance recovery

Title (de)

Abstimmhebel, insbesondere für Kraftfahrzeug HLK-Anwendungen, mit einer Spiel Wiederherstellung

Title (fr)

Levier d'ajustement, en particulier pour des applications CVC de voiture, avec restauration de jeux

Publication

EP 2479634 A1 20120725 (EN)

Application

EP 12152210 A 20120124

Priority

IT TO20110048 A 20110124

Abstract (en)

An adjustment device (1), comprising a support (3) through which a through bore (5) is formed; a shaft (11) mounted through the through bore and having a shoulder portion (17) suitable to axially engage the support; and a handgrip (19) snap-fitted on the shaft in such a way as to axially lock the shaft relative to the support, by co-operating with the shoulder portion. A collar (31) concentric with the bore and having a conical surface (33) on the free end thereof is disposed on the support. A plurality of elastically deformable elements (191) is disposed on the handgrip, which are arranged circumferentially along said handgrip, wherein each of the elastically deformable elements is adapted to engage the conical surface in such a way as to produce a reaction force acting on the handgrip, this reaction force having an axial component directed away from the support and a centripetal radial component.

IPC 8 full level

G05G 1/12 (2006.01)

CPC (source: EP)

G05G 1/12 (2013.01)

Citation (search report)

- [A] DE 19539081 A1 19970424 - PREH ELEKTRO FEINMECHANIK [DE]
- [A] DE 19517781 C1 19960912 - DAIMLER BENZ AG [DE]
- [A] US 5093764 A 19920303 - HASEGAWA YOSHIHIKO [JP], et al

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 2479634 A1 20120725; **EP 2479634 B1 20131211**; ES 2451591 T3 20140327; IT 1404246 B1 20131115; IT TO20110048 A1 20120725; RS 53177 B 20140630

DOCDB simple family (application)

EP 12152210 A 20120124; ES 12152210 T 20120124; IT TO20110048 A 20110124; RS P20140083 A 20120124