Title (en)

DEVICE FOR AXIALLY ADJUSTING AT LEAST ONE PLATE-TYPE SHIFTING ELEMENT

Title (de)

EINRICHTUNG ZUR AXIALEINSTELLUNG WENIGSTENS EINES LAMELLENSCHALTELEMENTES

Title (fr)

DISPOSITIF DE RÉGLAGE AXIAL D'AU MOINS UN ÉLÉMENT DE COMMANDE À LAMELLES

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Application

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Priority

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Abstract (en)

[origin: WO2007138002A1] The invention relates to a device for axially adjusting at least one plate-type shifting element comprising a pivoting wheel (89) and an adjoining ball ramp disc (91), the pivoting wheel (89) being axially fixed and rotatably mounted and the ball ramp disc (91) being non-rotatably mounted and axially displaceable. The pivoting wheel (89) co-operates with the ball ramp disc (91) by means of anti-friction bodies (97), which are situated in grooves (95) of differing depths in the pivoting wheel (89) and corresponding grooves (93) of the ball ramp disc (91), the gradient of said grooves (93, 95) varying over their length. According to the invention, starting from the initial position of the anti-friction bodies (97) when the plate-type shifting element is open, the grooves (93, 95) have an initial gradient of between 10° and 25° in a clearance area (130) of the plate-type shifting element in a first displacement direction (I) of the pivoting wheel (89) and a gradient of at least 1,4° in a working area (132) of the plate-type shifting element.

IPC 8 full level

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