

Title (en)
PNEUMATICALLY ADJUSTABLE CONTINUOUSLY VARIABLE TRANSMISSION

Title (de)
PNEUMATISCH VERSTELLBARES CVT-GETRIEBE

Title (fr)
TRANSMISSION À VARIATION CONTINUE À RÉGLAGE PNEUMATIQUE

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Application
EP 18711499 A 20180305

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Abstract (en)
[origin: WO2018177688A1] The invention relates to a continuously variable transmission, comprising: a cone-pulley pair (2) having at least one axially movable cone pulley (21); an adjusting device (5) for adjusting a position of the axially movable cone pulley (21); and a control unit (6), which is designed to actuate the adjusting device (5) in order to change the position of the axially movable cone pulley (21), the adjusting device (5) comprising a pneumatic chamber (50), which is arranged on a rear face (22) of the axially movable cone pulley (21) such that the axially movable cone pulley (21) is axially moved in the axial direction (X-X) as a result of a change in the pressure in the pneumatic chamber (50), centrifugal-force elements (3) being arranged on the axially movable cone pulley (21), the pneumatic chamber (50) being defined by the rear face (22) of the axially movable cone pulley (21) and a front face (31) of a pulley housing (30). According to the invention, ramp-shaped support regions (32) are formed on the front face (31) of the pulley housing (30), the centrifugal-force elements (3) being arranged between the axially movable cone pulley (21) and the ramp-shaped support regions (32).

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