

Title (en)

DRIVE DEVICE FOR ADJUSTING A CONTROL SHAFT OF A FULLY VARIABLE VALVE DRIVE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

ANTRIEBSVORRICHTUNG ZUR VERSTELLUNG EINER STEUERWELLE EINES VOLLVARIABLEN VENTILTRIEBS EINER VERBRENNUNGSKRAFTMASCHINE

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT POUR LE RÉGLAGE D'UN ARBRE DE COMMANDE D'UNE COMMANDE DE SOUPAPE ENTIÈREMENT VARIABLE D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 3721062 A1 20201014 (DE)

Application

EP 18811782 A 20181128

Priority

- DE 102017129025 A 20171206
- EP 2018082846 W 20181128

Abstract (en)

[origin: WO2019110388A1] Drive devices for adjusting a control shaft (22) of a fully variable valve drive of an internal combustion engine, comprising an electric motor (10) with a driveshaft (20) and a transmission (26) coupled to the electric motor (10), are known, wherein an output element (38) of the transmission (26) is coupled to a control shaft (22) of a fully variable valve drive. The aim of the invention is to arrange such a drive axially to the control shaft (22) such that no installation space is required radially to the valve drive. According to the invention, this is achieved in that the rotational axes of the transmission (26) are arranged parallel to the control shaft (22) and the driveshaft (20) of the electric motor (10).

IPC 8 full level

F01L 13/00 (2006.01); **F01L 1/352** (2006.01)

CPC (source: EP)

F01L 13/0015 (2013.01); **F01L 13/0063** (2013.01); **H02K 7/116** (2013.01); **F01L 1/352** (2013.01); **F01L 2001/3521** (2013.01); **F01L 2013/0068** (2013.01); **F01L 2013/0073** (2013.01); **F01L 2013/103** (2013.01); **F01L 2820/03** (2013.01)

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)

DE 102017129025 A1 20190606; EP 3721062 A1 20201014; WO 2019110388 A1 20190613

DOCDB simple family (application)

DE 102017129025 A 20171206; EP 18811782 A 20181128; EP 2018082846 W 20181128