

Title (en)

MECHANICALLY CONTROLLABLE VALVE DRIVE AND MECHANICALLY CONTROLLABLE VALVE DRIVE ARRANGEMENT

Title (de)

MECHANISCH STEUERBARER VENTILTRIEB SOWIE MECHANISCH STEUERBARE VENTILTRIEBANORDNUNG

Title (fr)

ENTRAÎNEMENT DE SOUPAPES À COMMANDE MÉCANIQUE ET SYSTÈME D'ENTRAÎNEMENT DE SOUPAPES À COMMANDE MÉCANIQUE

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Application

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Abstract (en)

[origin: WO2012126648A1] The invention relates to a mechanically controllable valve drive having a gas exchange valve (12) on which a transmission arrangement acts directly or indirectly by means of a working contour (62; 92), wherein the transmission arrangement is mounted in a movable manner in the cylinder head by bearing means, and wherein the transmission arrangement is operatively connected to a valve lift adjusting device and to a camshaft (46), wherein the valve lift adjusting device has a rotatable adjusting shaft (35) such that different maximum lifts can be set, wherein the transmission arrangement has a first and a second wheel element (40, 42), wherein the first wheel element (40) is operatively connected to the camshaft (46) and the second wheel element (42) acts directly or indirectly on the gas exchange valve (12), wherein the two wheel elements (40, 42) are rotatably mounted on the adjusting shaft (35) and have a toothing, in such a way that the first and the second wheel element (40, 42) are in geared connection with one another such that a rotation of the adjusting shaft (35) effects a phase shift between the first and the second wheel element (40, 42) and such that rotational fixing effects an oscillating movement of the first and second wheel elements (40, 42).

IPC 8 full level

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