Title (en)

GEARBOX, IN PARTICULAR A TWIN GEARBOX, AND BEARING BRACKET WITH AN ADVANTAGEOUS OIL LUBRICATION BY MEANS OF A MULTI-CHAMBER SYSTEM, AS WELL AS METHOD SUITABLE FOR LUBRICATING SUCH A GEARBOX

Title (de)

GETRIEBE, INSBESONDERE TWIN-GETRIEBE, UND LAGERBRILLE MIT EINER VORTEILHAFTEN ÖLSCHMIERUNG DURCH EIN MEHRKAMMERNSYSTEM SOWIE GEEIGNETES VERFAHREN ZUM SCHMIEREN EINES SOLCHEN GETRIEBES

Title (fr)

TRANSMISSION, EN PARTICULIER TRANSMISSION DOUBLE, ET LUNETTE DE SUPPORT À LUBRIFICATION AVANTAGEUSE PAR UN SYSTÈME À CHAMBRES MULTIPLES ET PROCÉDÉ APPROPRIÉ POUR LUBRIFIER UNE TELLE TRANSMISSION

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Abstract (en)

[origin: WO2021005186A1] The invention relates to a gearbox 1, e.g. for a duo-electric machine drive train, comprising a sump (160) into which at least one first gear (77) dips. A first gear (77) and a second gear (49, 50, 79) form a gear stage (55) adjacent to a multi-chamber system (200). The second gear (49, 50, 79) acts as a centrifugal lubrication film separator gear in order to separate oil from the surface of the gear (49, 50, 79) using centrifugal force and deliver said oil to the multi-chamber system (200). The multi-chamber system (200) acts as a flow path that continuously delivers a lubricant (162) and through which lubricant can pass by means of a delay means (180, 180', 180") into the sump (160). Such a system can also be part of a bearing bracket. In such a multi-chamber system (200), lubricant (162) sprayed by the second gear (49, 50, 79) is caught in one chamber (202, 204) of the multi-chamber system (200), stored in another chamber (204, 206), and recirculated into the sump (160) only via a delay means (180, 180', 180").

IPC 8 full level

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