

Title (en)
AUXILIARY UNIT DRIVE FOR A MOTOR VEHICLE

Title (de)
NEBENAGGREGATANTRIEB FÜR EIN KRAFTFAHRZEUG

Title (fr)
PRISE DE MOUVEMENT AUXILIAIRE POUR UN VEHICULE AUTOMOBILE

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Application
EP 07786574 A 20070806

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Abstract (en)
[origin: WO2008017439A1] The invention relates to an auxiliary unit drive, for a motor vehicle with a planetary gearing, wherein a sun gear (S) of the planetary gearing (P) is in power-exchanging engagement with a first electric machine (EMI), a planet gear carrier (PT) is in power-exchanging engagement with an internal combustion engine (VM) and a first ring gear (H1) is in power-exchanging engagement with at least one auxiliary unit (AG). The invention is characterized by two planetary gear sets (PR1, PR2) which are mounted with their axles in the planet gear carrier (PT), a second ring gear (H2) which can be held stationary by means of a first brake (BS), wherein the first planetary gear set (PR1) meshes with the first ring gear (H1) and the sun gear (S) and the second planetary gear set (PR2) meshes with the second ring gear (H2) and with the first planetary gear set (PR1), a first clutch (KVE), by means of which the internal combustion engine (VM) can be coupled to the first electric machine (EMI), and a first freewheel (FVG), by means of which the planet gear carrier (PT) can rotate only in one rotational direction.

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