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(54) Title (EN): RETARDER-ROTARY PUMP ASSEMBLY

(54) Title (FR): MODULE DE RALENTISSEUR-POMPE ROTATIVE

(54) Title (DE): RETARDER-ROTATIONSPUMPEN-BAUGRUPPE

(57) Abstract:

(EN): The invention relates to a retarder-rotary pump assembly, i.e. a device comprising both a retarder (10) and a rotary pump (20). The rotary pump (20) is used to compress the pump medium, which acts at the same time as the working medium of the retarder (10). The retarder (10) is used to hydrodynamically brake the rotor shaft (11.1), which usually has a propulsion connection to a gearbox input shaft or engine output shaft of a motor vehicle, (in this case, the retarder is referred to as a primary retarder), or to a gearbox output shaft of a motor vehicle, (in this case, the retarder is referred to as a secondary retarder).

(FR): L'invention concerne un module de ralentisseur-pompe rotative, c.-à-d. un dispositif présentant un ralentisseur (10) et une pompe rotative (20). La pompe rotative (20) sert à comprimer un fluide de pompe constituant également le fluide de travail du ralentisseur (10). Le ralentisseur (10) sert à freiner hydrodynamiquement l'arbre de rotor (11.1) se trouvant habituellement en liaison d'entraînement avec un arbre d'entrée de boîte ou arbre de sortie moteur (ralentisseur primaire) ou avec un arbre de sortie de boîte (ralentisseur secondaire) d'un véhicule.

(DE): Die Erfindung betrifft eine Retarder-Rotationspumpen-Baugruppe, das heisst eine Vorrichtung, welche sowohl einen Retarder (10) als auch eine Rotationspumpe (20) aufweist. Die Rotationspumpe (20) dient dem Verdichten eines Pumpmediums, welches zugleich das Arbeitsmedium des Retarders (10) ist. Der Retarder (10) dient dem hydrodynamischen Abbremsen der Rotorwelle (11.1), welche in der Regel in einer Triebverbindung mit einer Getriebeeingangswelle beziehungsweise Motorabtriebswelle (dann spricht man von einem primärretarder) oder einer Getriebeausgangswelle (dann spricht man von einem Sekundärretarder) eines Kraftfahrzeugs steht.

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