

Title (en)
HYBRID HYDRAULIC ARRANGEMENT FOR A WORK VEHICLE

Title (de)
HYBRIDE HYDRAULISCHE ANORDNUNG FÜR EIN ARBEITSFAHRZEUG

Title (fr)
AGENCEMENT HYDRAULIQUE HYBRIDE POUR UN VÉHICULE DE TRAVAIL

Publication
EP 3913232 A1 20211124 (EN)

Application
EP 21174960 A 20210520

Priority
IT 202000011782 A 20200520

Abstract (en)
Hybrid hydraulic arrangement (1) for providing a flow of pressurized oil to a priority module (3) of a work vehicle configured to divide such pressurized oil between a plurality of working module of the work vehicle,said hybrid hydraulic arrangement (1) comprising a hydro-mechanic module (4) and a hybrid module (5), the hydro-mechanic module (4) and hybrid module (5) being each separately mechanically coupled to an engine (2) of the work vehicle and both fluidly connected together to the priority module (3),the hybrid module (5) being controlled independently with respect to the operation of said engine (2) to provide an oil flow complementary to the flow provided by the hydro-mechanic module (4).

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Citation (search report)

- [XYI] EP 1790781 A1 20070530 - CATERPILLAR MITSUBISHI LTD [JP]
- [YA] US 2018038079 A1 20180208 - AMANO HIROAKI [JP], et al
- [XI] JP 2012013203 A 20120119 - KOBELCO CRANES CO LTD
- [XI] JP 2011190072 A 20110929 - KOBE STEEL LTD, et al

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