

Title (en)

TURBINE SYSTEM WITH THREE TURBINES COUPLED TO A CENTRAL GEARBOX AND METHOD FOR OPERATING A WORK MACHINE

Title (de)

TURBINENSYSTEM MIT DREI AN EINEM ZENTRALEN GETRIEBE ANGEKOPPELTEN TURBINEN UND VERFAHREN ZUM BETREIBEN EINER ARBEITSMASCHINE

Title (fr)

SYSTÈME DE TURBINES COMPRENANT TROIS TURBINES COUPLÉES À UNE TRANSMISSION CENTRALE ET PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UNE MACHINE DE TRAVAIL

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Application

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Priority

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Abstract (en)

[origin: WO2013143877A1] The turbine system (110) has: (A) a first turbine (151), (B) a second turbine (152), (C) a third turbine (153), (D) a central gearbox (130) mechanically coupled on the input side to the three turbines and having a mechanical connection on the output side for connecting a work machine (120), (E) a first fluid line (161) for conveying a working fluid from the first turbine (151) to the second turbine (152), (F) a second fluid line (162) for conveying the working fluid from the second turbine (152) to the third turbine (153), (G) a first connecting unit (171) designed such that a first partial mass flow (171a) of the working fluid can be removed from the first fluid line (161) or supplied to the first fluid line (161), and (H) a second connecting unit (172) designed such that a second partial mass flow (172a) of the working fluid can be removed from the second fluid line (162) or supplied to the second fluid line (162). A turbine facility (100) with such a turbine system (110) and a method for operating a work machine (120) are also described.

IPC 8 full level

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