

Title (en)
VARIABLE PHASE MECHANISM

Title (de)
MECHANISMUS MIT VARIABLER PHASE

Title (fr)
MÉCANISME À PHASE VARIABLE

Publication
EP 4102035 A1 20221214 (EN)

Application
EP 21178295 A 20210608

Priority
EP 21178295 A 20210608

Abstract (en)
A yoke-type phaser is disclosed having a drive member and a driven member rotatable about a common axis and coupled to one another by means of a yoke that is movable, in a plane normal to the common axis, to vary the relative phase of the drive and driven members, by interaction between at least two contact elements and a contoured surface. In the invention, each contact element is a rolling element that is freely rotatably supported in a journal with which the rolling element makes surface contact.

IPC 8 full level
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CPC (source: EP)
F01L 1/022 (2013.01); **F01L 1/047** (2013.01); **F01L 1/344** (2013.01); **F01L 1/3442** (2013.01); **F01L 2001/0473** (2013.01); **F01L 2001/34489** (2013.01); **F01L 2305/00** (2020.05)

Citation (applicant)

- EP 0733154 A1 19960925 - MECHADYNE LTD [GB], et al
- EP 1030035 A2 20000823 - MECHADYNE PLC [GB]
- EP 2044297 A1 20090408 - MECHADYNE PLC [GB]
- GB 2421557 A 20060628 - MECHADYNE PLC [GB]

Citation (search report)

- [XAYI] WO 2008009983 A1 20080124 - MECHADYNE PLC [GB], et al
- [Y] US 2020355096 A1 20201112 - LANCEFIELD TIMOTHY MARK [GB], et al
- [A] US 9284861 B2 20160315 - WIGSTEN MARK [US], et al
- [A] US 2019242277 A1 20190808 - MCCLOY CHAD [US], et al

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Designated extension state (EPC)
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