

Title (en)
METHOD AND DEVICE FOR AUTOMATICALLY COMPENSATING FOR MOMENT OF COMPRESSOR, COMPRESSOR, AND CONTROL METHOD FOR SAME

Title (de)
VERFAHREN UND VORRICHTUNG ZUR AUTOMATISCHEN KOMPENSIERUNG DES DREHMOMENTS EINES VERDICHTERS, VERDICHTER UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
PROCÉDÉ ET DISPOSITIF DE COMPENSATION AUTOMATIQUE DU MOMENT D'UN COMPRESSEUR, COMPRESSEUR ET PROCÉDÉ DE COMMANDE DE CELUI-CI

Publication
EP 3098449 A1 20161130 (EN)

Application
EP 13881451 A 20131226

Priority
CN 2013090551 W 20131226

Abstract (en)
A method for an automatic torque compensation of a compressor is provided. The method includes: obtaining a target speed and a feedback speed; generating a fluctuation speed according to the target speed and the feedback speed; generating a torque compensation angle according to the target speed and the fluctuation speed in a phase locked loop (PLL) manner; obtaining a load torque reference value and generating a torque compensation amplitude according to the load torque reference value; and generating a feedforward torque compensation value according to the target speed, the torque compensation angle and the torque compensation amplitude. A method for controlling a compressor, an apparatus for an automatic torque compensation of a compressor and a compressor including the apparatus are also provided.

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CPC (source: EP)
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Cited by
CN112398407A; CN110685893A; CN116460853A; EP3605829A4; CN114204866A; US11424699B2; US10273948B1

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