

Title (en)
DYNAMIC THRUST BALANCING FOR CENTRIFUGAL COMPRESSORS

Title (de)
DYNAMISCHER SCHUBAUSGLEICH FÜR ZENTRIFUGALVERDICHTER

Title (fr)
DISPOSITIF D'ÉQUILIBRAGE DYNAMIQUE POUR DES COMPRESSEURS CENTRIFUGES

Publication
EP 2516866 A2 20121031 (EN)

Application
EP 10793252 A 20101216

Priority
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Abstract (en)
[origin: WO2011076668A2] Systems and methods for dynamically balancing axial loads in centrifugal compressors (10) to reduce residual axial loads on the bearings (20) used therein are described. A sensor or probe (42) detects a parameter associated with the axial load acting on the bearing (20). Based on the detected parameter, the pressure in a balance chamber (34) is controlled to adjust the compensating axial force generated by a balance drum (28).

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
See references of WO 2011076668A2

Designated contracting state (EPC)
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