

Title (en)  
PROCESS FOR MONITORING AND/OR DETECTING CHANGES UNDER LOAD OF THE OPERATING STATE OF AN ELECTRICAL POWER MACHINE.

Title (de)  
VERFAHREN ZUR ÜBERWACHUNG UND/ODER FESTSTELLUNG DES SICH JEWEILS DURCH EINE BEANSPRUCHUNG ÄNDERNDEN BETRIEBSZUSTANDES EINER ELEKTRISCH BETRIEBENEN KRAFTMASCHINE.

Title (fr)  
PROCEDE PERMETTANT DE SURVEILLER ET/OU DE DETECTER LES MODIFICATIONS, DUES A UNE SOLLICITATION, DE L'ETAT DE FONCTIONNEMENT D'UNE MACHINE MOTRICE ELECTRIQUE.

Publication  
**EP 0631681 A1 19950104 (DE)**

Application  
**EP 94902592 A 19940110**

Priority  
• CH 9400004 W 19940110  
• CH 14893 A 19930119

Abstract (en)  
[origin: US5659468A] PCT No. PCT/CH94/00004 Sec. 371 Date Dec. 29, 1994 Sec. 102(e) Date Dec. 29, 1994 PCT Filed Jan. 10, 1994 PCT Pub. No. WO94/17496 PCT Pub. Date Aug. 4, 1994A method and apparatus for monitoring and ascertaining respective changes in an operating condition of an electrically operated engine that occur due to stress. Operating parameters are measured to acquire the influences of different types of stresses which promote the wear of the engine. The operating parameters are transferred to an electronic, non-volatile memory module. The operating parameters are converted to respective wear contributions indicative of a degree of wear of the engine. The wear contributions are evaluated to determine the actual wear of the engine at any point in time.

IPC 1-7  
**G07C 3/00; B66B 5/00**

IPC 8 full level  
**B66B 1/34** (2006.01); **B66B 3/00** (2006.01); **B66B 25/00** (2006.01); **G01R 31/34** (2006.01); **G07C 3/00** (2006.01); **G07C 3/02** (2006.01)

CPC (source: EP US)  
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**US 30288794 A 19941229**; CH 14893 A 19930119; CH 9400004 W 19940110; EP 94902592 A 19940110; JP 51653094 A 19940110