

Title (en)  
METHOD AND DEVICE FOR CATEGORIZING DAMAGES IN A ROLLER BEARING

Title (de)  
VERFAHREN UND GERÄT ZUM KATEGORISIEREN VON WÄLZLAGERSCHÄDEN

Title (fr)  
PROCEDE ET APPAREIL PERMETTANT DE CATEGORISER DES DOMMAGES SUR UN PALIER A ROULEMENT

Publication  
**EP 1872107 A1 20080102 (DE)**

Application  
**EP 06722734 A 20060331**

Priority  
• DE 2006000583 W 20060331  
• DE 102005015465 A 20050404

Abstract (en)  
[origin: DE102005015465A1] The method involves receiving a signal (70) representing impact sound oscillation of a roller bearing, analyzing the received signal based on a given signal characteristic, and assigning the signal to a predetermined damage category based on the analysis result. The analysis covers statistic evaluation of the analysis function of the signal. The analysis function is determined from the received signal based on given signal characteristics, and represents the differential derivative level or high differential derivative of the signal corresponding to the jolt of the impact sound oscillation. An independent claim is included for the measuring and analyzer device for categorizing and analyzing rolling bearing damage.

IPC 8 full level  
**G01M 13/04** (2006.01); **G01H 1/00** (2006.01)

CPC (source: EP US)  
**F16C 19/50** (2013.01 - EP US); **G01H 1/003** (2013.01 - EP US); **G01M 13/045** (2013.01 - EP US)

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