

Title (en)  
MACHINE MONITORING

Title (de)  
ÜBERWACHUNG VON MASCHINEN

Title (fr)  
SURVEILLANCE DE MACHINE

Publication  
**EP 3472742 A4 20200219 (EN)**

Application  
**EP 17816076 A 20170620**

Priority  
• US 201615186974 A 20160620  
• US 2017038370 W 20170620

Abstract (en)  
[origin: WO2017223108A1] Methods, systems, and apparatus for determining a maintenance issue are described. An audio signal is obtained and analyzed to generate an audio signature. A characteristic of a component is identified based on the audio signature and an action is determined based on the characteristic of the component.

IPC 8 full level  
**G07C 5/08** (2006.01); **G06F 16/683** (2019.01); **G10L 25/51** (2013.01); **G01M 13/028** (2019.01); **G07C 5/00** (2006.01)

CPC (source: EP US)  
**G06F 16/63** (2018.12 - US); **G06F 16/683** (2018.12 - EP US); **G07C 5/006** (2013.01 - EP US); **G07C 5/0808** (2013.01 - EP US); **G07C 5/0816** (2013.01 - EP US); **G10L 25/18** (2013.01 - US); **G10L 25/21** (2013.01 - US); **G10L 25/51** (2013.01 - EP US); **H04R 29/00** (2013.01 - US)

Citation (search report)  
• [X] US 2010080086 A1 20100401 - WRIGHT GEORGE L [US], et al  
• [I] US 2006253282 A1 20061109 - SCHMIDT GERHARD U [DE], et al  
• [I] US 2012143431 A1 20120607 - KIM SANG KI [KR], et al  
• [A] US 2007093947 A1 20070426 - GOULD GARETT W [US], et al  
• See references of WO 2017223108A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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