

Title (en)  
MACHINE TOOL MONITORING DEVICE

Title (de)  
WERKZEUGMASCHINENÜBERWACHUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE SURVEILLANCE DE MACHINE-OUTIL

Publication  
**EP 2262612 A1 20101222 (DE)**

Application  
**EP 08873140 A 20081128**

Priority  
• EP 2008066441 W 20081128  
• DE 102008013055 A 20080306

Abstract (en)  
[origin: WO2009109250A1] The invention is based on a machine tool monitoring device with a detecting unit (24) for detecting a use situation (66, 80) in a machine tool (10), wherein the detecting unit (24) makes it possible to determine the position and/or speed of human or animal tissue. It is proposed that the machine tool monitoring device has at least one ultra wide band radar sensor (26, 28, 30). Furthermore, the invention relates to a machine tool with such a machine tool monitoring device.

IPC 8 full level  
**B23Q 11/00** (2006.01); **B23Q 17/24** (2006.01); **F16P 3/14** (2006.01); **G01S 13/02** (2006.01)

CPC (source: EP)  
**B23Q 11/0082** (2013.01); **B23Q 17/2438** (2013.01); **B23Q 17/249** (2013.01); **F16P 3/147** (2013.01); **G01S 13/0209** (2013.01); **G01S 13/04** (2013.01); **G01S 13/24** (2013.01); **G01S 13/56** (2013.01); **G01S 7/2886** (2021.05)

Citation (search report)  
See references of WO 2009109250A1

Citation (examination)  
WO 2008028871 A1 20080313 - BOSCH GMBH ROBERT [DE], et al

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

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**WO 2009109250 A1 20090911**; DE 102008013055 A1 20091112; EP 2262612 A1 20101222; EP 2394781 A2 20111214; EP 2394781 A3 20130515; TW 201006603 A 20100216

DOCDB simple family (application)  
**EP 2008066441 W 20081128**; DE 102008013055 A 20080306; EP 08873140 A 20081128; EP 11180122 A 20081128; TW 98106954 A 20090304