

Title (en)  
Sensor device for a painting installation

Title (de)  
Sensoranordnung für eine Beschichtungsanlage

Title (fr)  
Dispositif de détection pour une installation de peinture

Publication  
**EP 1394757 A3 20050413 (DE)**

Application  
**EP 03019861 A 20030901**

Priority  
DE 10240451 A 20020902

Abstract (en)  
[origin: EP1394757A2] The sensor arrangement has at least one sensor (6) for detecting at least one operating parameter of the coating system and for generating a corresponding sensor signal. A radio transmitter (7) is connected to the sensor and transmits the measurement signal to a receiver (10) for receiving the transmitted sensor signal and a wireless connection between the transmitter and receiver. The sensor is preferably optical, and e.g. provides a measurement of the rotation speed and direction of an air turbine used to drive part of the coating equipment by sensing optical markings distributed around a front surface (5) of the turbine wheel. An Independent claim is included for a coating installation using the remote measuring method.

IPC 1-7  
**G08C 17/00**; B05B 12/00

IPC 8 full level  
**G08C 17/02** (2006.01)

CPC (source: EP US)  
**B05B 5/0422** (2013.01 - EP US); **B05B 12/004** (2013.01 - EP US); **B05B 12/006** (2013.01 - EP US)

Citation (search report)  
• [X] US 5660334 A 19970826 - TRUSTY DENNIS L [US], et al  
• [X] US 5218305 A 19930608 - LUNZER LAWRENCE J [US]  
• [X] WO 0191914 A1 20011206 - EISENMANN FRANCE SARL [FR], et al

Cited by  
DE102006045631A1; DE102009042955A1; DE102009042956A1; CN102510776A; DE102007004819A1; WO2011035886A1; WO2008037456A1; US8485125B2; US9180469B2; WO2022157098A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1394757 A2 20040303**; **EP 1394757 A3 20050413**; **EP 1394757 B1 20130109**; DE 10240451 A1 20040311; ES 2402658 T3 20130507; US 2005098102 A1 20050512; US 2007145250 A1 20070628; US 7432495 B2 20081007

DOCDB simple family (application)  
**EP 03019861 A 20030901**; DE 10240451 A 20020902; ES 03019861 T 20030901; US 42795806 A 20060630; US 65344403 A 20030902