

Title (en)  
RAPID HIGH-RESOLUTION MAGNETIC FIELD MEASUREMENTS FOR POWER LINE INSPECTION

Title (de)  
SCHNELLE HOCHAUFLÖSENDE MAGNETFELDMESSUNGEN FÜR STROMLEITUNGSINSPEKTION

Title (fr)  
MESURES DE CHAMP MAGNÉTIQUE RAPIDE À HAUTE RÉOLUTION POUR INSPECTION DE LIGNE ÉLECTRIQUE

Publication  
**EP 3250456 A4 20181010 (EN)**

Application  
**EP 16743879 A 20160121**

Priority

- US 201562109006 P 20150128
- US 201562109551 P 20150129
- US 201615003206 A 20160121
- US 201615003193 A 20160121
- US 2016014385 W 20160121

Abstract (en)  
[origin: WO2016122966A1] Methods and configurations are disclosed for DNV application in rapid and cost-effective inspection of power transmission and power distribution lines.

IPC 8 full level  
**B64C 39/02** (2006.01); **B60L 11/18** (2006.01); **G01C 21/20** (2006.01); **G01R 1/067** (2006.01); **G01R 31/02** (2006.01); **G01R 31/08** (2006.01); **G01R 33/032** (2006.01); **G01V 3/08** (2006.01); **G01V 3/16** (2006.01); **G01V 3/38** (2006.01); **G05D 1/02** (2006.01); **G05D 1/04** (2006.01); **G05D 1/10** (2006.01); **G08G 5/00** (2006.01); **H02G 1/02** (2006.01)

CPC (source: EP US)  
**B60L 53/32** (2019.02 - EP); **G01R 33/032** (2013.01 - US); **G01V 3/16** (2013.01 - EP); **G01V 3/38** (2013.01 - EP); **G05D 1/0202** (2024.01 - US); **G05D 1/0265** (2024.01 - EP US); **G05D 1/042** (2024.01 - US); **G05D 1/101** (2024.01 - EP US); **G08G 5/0069** (2013.01 - US); **H02G 1/02** (2013.01 - EP); **B60L 2200/10** (2013.01 - EP US); **B60L 2240/622** (2013.01 - EP US); **B64U 2101/26** (2023.01 - EP US); **B64U 2201/10** (2023.01 - EP US); **B64U 2201/20** (2023.01 - US); **G01C 21/20** (2013.01 - EP US); **G01R 1/06705** (2013.01 - EP US); **G01R 31/085** (2013.01 - EP US); **G01R 31/58** (2020.01 - EP US); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 10/72** (2013.01 - EP); **Y02T 90/12** (2013.01 - EP); **Y02T 90/16** (2013.01 - EP)

Citation (search report)

- [X] EP 2495166 A1 20120905 - IND NAVARRA AIN ASOC DE [ES]
- [X] US 7543780 B1 20090609 - MARSHALL PATRICK T [US], et al
- [X] NIU FENGLIAN: "Crack Detection of Power Line Based on Metal Magnetic Memory Non-destructive", TELKOMNIKA INDONESIAN JOURNAL OF ELECTRICAL ENGINEERING, vol. 12, no. 11, 1 November 2014 (2014-11-01), pages 7764 - 7771, XP055502670, ISSN: 2302-4046, DOI: 10.11591/telkonnika.v12i11.6026
- [A] RONDIN L ET AL: "Magnetometry with nitrogen-vacancy defects in diamond", REPORTS ON PROGRESS IN PHYSICS, INSTITUTE OF PHYSICS PUBLISHING, BRISTOL, GB, vol. 77, no. 5, 6 May 2014 (2014-05-06), pages 56503, XP020261950, ISSN: 0034-4885, [retrieved on 20140506], DOI: 10.1088/0034-4885/77/5/056503
- See also references of WO 2016122966A1

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

DOCDB simple family (publication)  
**WO 2016122966 A1 20160804**; EP 3250456 A1 20171206; EP 3250456 A4 20181010

DOCDB simple family (application)  
**US 2016014385 W 20160121**; EP 16743879 A 20160121