



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11) **EP 1 183 551 B1**

(12) **EUROPEAN PATENT SPECIFICATION**

- (45) Date of publication and mention of the grant of the patent:  
**17.12.2003 Bulletin 2003/51**
- (21) Application number: **00938614.5**
- (22) Date of filing: **20.04.2000**
- (51) Int Cl.7: **G01S 13/90**
- (86) International application number:  
**PCT/EP00/03741**
- (87) International publication number:  
**WO 0007/2045 (30.11.2000 Gazette 2000/48)**

(54) **PROCESS FOR RADAR MEASUREMENTS OF THE MOVEMENT OF CITY AREAS AND LANDSLIDING ZONES**

VERFAHREN ZUR RADARVERMESSUNG DER BEWEGUNG VON STADTTEILEN UND ERDRUTSCHGEBIETEN

PROCEDE DE MESURES RADAR DU MOUVEMENT DE ZONES URBAINES ET DE ZONES DE GLISSEMENT DE TERRAINS

- (84) Designated Contracting States:  
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE**
- (30) Priority: **25.05.1999 IT MI991154**
- (43) Date of publication of application:  
**06.03.2002 Bulletin 2002/10**
- (73) Proprietor: **Politecnico Di Milano 20133 Milano (IT)**
- (72) Inventors:  
• **FERRETTI, Alessandro I-20147 Milano (IT)**  
• **PRATI, Claudio I-20121 Milano (IT)**  
• **ROCCA, Fabio I-20131 Milano (IT)**
- (74) Representative: **Mittler, Enrico et al c/o Mittler & C. s.r.l., Viale Lombardia, 20 20131 Milano (IT)**
- (56) References cited:  
**WO-A-98/02761 DE-A- 19 626 556**  
**US-A- 5 659 318 US-A- 5 726 656**
- **REIGBER A ET AL: "PHASE UNWRAPPING BY FUSION OF LOCAL AND GLOBAL METHODS" IEEE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM,US,NEW YORK, NY: IEEE, 3 August 1997 (1997-08-03), pages 869-871, XP000753623 ISBN: 0-7803-3837-5**
  - **FAZIO DE M ET AL: "DEM RECONSTRUCTION IN SAR INTERFEROMETRY: PRACTICAL EXPERIENCES WITH ERS-1 SAR DATA" PROCEEDINGS OF THE INTERNATIONAL GEOSCIENCE AND REMOTE SENSING SYMPOSIUM (IGARSS),US,NEW YORK, IEEE, vol. SYMP. 13, 18 August 1993 (1993-08-18), pages 1207-1209, XP000481827**
  - **GRIFFITHS H: "INTERFEROMETRIC SYNTHETIC APERTURE RADAR" ELECTRONICS AND COMMUNICATION ENGINEERING JOURNAL,GB,INSTITUTION OF ELECTRICAL ENGINEERS, LONDON, vol. 7, no. 6, 1 December 1995 (1995-12-01), pages 247-256, XP000545120 ISSN: 0954-0695**

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 1 183 551 B1