Title (en)

ADAPTIVE INTERFERENCE SUPPRESSION FOR GEORADAR

Title (de)

ADAPTIVE STÖRUNGSUNTERDRÜCKUNG FÜR EINEN GEORADAR

Title (fr)

SUPPRESSION D'INTERFÉRENCES ADAPTATIVES POUR GÉO-RADAR

Publication

EP 2764379 A4 20150527 (EN)

Application

EP 12837687 A 20121004

Priority

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Abstract (en)

[origin: WO2013051944A1] A georadar based on step-frequency, and a method of suppressing interferences (2,3) from other, nearby senders, based on comparing the received signal (1) and a filtered estimate of said signal (4). If the deviation for a single frequency fulfills the given criteria (5), the received signal is replaced at this single frequency by a corresponding filtered signal (6,7) at said single frequency.

IPC 8 full level

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CPC (source: CN EP US)

G01S 7/023 (2013.01 - CN EP US); **G01S 13/885** (2013.01 - CN EP); **G01V 3/12** (2013.01 - CN EP); G01S 13/347 (2013.01 - CN EP)

Citation (search report)

- [A] EP 1672379 A2 20060621 - VALEO RAYTHEON SYSTEMS INC [US]
- [A] US 2011115666 A1 20110519 - FEIGIN JEFFREY R [US], et al
- [A] EP 1494043 A2 20050105 - MA COM INC [US]
- [A] US 2008198067 A1 20080821 - KRAPF REINER [DE], et al
- [A] US 6094160 A 20000725 - LAJINESS GREGORY GEORGE [US]
- [I] PETERS L ET AL: "GROUND PENETRATING RADAT AS A SUBSURFACE ENVIRONMENTAL SENSING TOOL", PROCEEDINGS OF THE IEEE, IEEE. NEW YORK, US, vol. 82, no. 12, 1 December 1994 (1994-12-01), pages 1802 - 1822, XP000492722, ISSN: 0018-9219, DOI: 10.1109/5.338072
- See references of WO 2013051944A1

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