

Title (en)  
Adaptive antenna systems.

Title (de)  
Adaptives Antennensystem.

Title (fr)  
Système adaptatif d'antennes.

Publication  
**EP 0320553 A1 19890621 (EN)**

Application  
**EP 87311217 A 19871218**

Priority  
EP 87311217 A 19871218

Abstract (en)  
In the or each steered adaptive control processor loop with weight update gain of an adaptive antenna system is included a weight limiting network (11), which serves to put variable, but equal, bounding limits to each individual inphase and quadrature component of each adaptive weight, whereby to limit the growth of output noise in the presence of a misaligned signal whilst maintaining sidelobe jammer suppression capability.

IPC 1-7  
**H01Q 3/26**

IPC 8 full level  
**H01Q 3/26** (2006.01)

CPC (source: EP)  
**H01Q 3/2617** (2013.01)

Citation (search report)  
• [A] GB 2178903 A 19870218 - STC PLC  
• [A] US 4635063 A 19870106 - CHANG DONALD C D [US], et al  
• [A] IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol. AP-34, no. 3, March 1986, pages 330-337, New York, US; N.K. JABLON  
"Steady state analysis of the generalized sidelobe canceller by adaptive noise cancelling techniques"

Cited by  
US6823174B1; WO0128037A1

Designated contracting state (EPC)  
BE DE FR IT NL SE

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**EP 0320553 A1 19890621; EP 0320553 B1 19930120; DE 3783771 D1 19930304; DE 3783771 T2 19930506**

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