

Title (en)

A phased array antenna signal processing structure, a method and a computer program product

Title (de)

Phasenarray-Antennensignalverarbeitungsstruktur, Verfahren und Computerprogrammprodukt

Title (fr)

Structure de traitement de signal d'antenne en réseau phasé, procédé et produit de programme informatique

Publication

**EP 2369679 A1 20110928 (EN)**

Application

**EP 10157564 A 20100324**

Priority

EP 10157564 A 20100324

Abstract (en)

The invention relates to a phased array antenna signal processing structure. The structure comprises a processor that includes a digital beam forming unit for generating partial beam data from digitized samples of a set of phased array antenna elements. The processor further comprises a set of input terminals for receiving intermediate beam data from another processor. The processor also comprises an adder for generating new intermediate beam data by adding partial beam data generated by the digital beam forming unit to corresponding received partial beam data. In addition, the processor comprises a set of output terminals for transmitting the new intermediate beam data.

IPC 8 full level

**H01Q 21/00** (2006.01)

CPC (source: EP)

**H01Q 3/34** (2013.01); **H01Q 21/0025** (2013.01)

Citation (search report)

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- [A] US 2008268797 A1 20081030 - AHN CHEOL-WOO [KR], et al

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Designated extension state (EPC)

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DOCDB simple family (publication)

**EP 2369679 A1 20110928**; EP 2550706 A1 20130130; EP 2550706 B1 20190508; WO 2011119028 A1 20110929

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