

Title (en)

Phased array antenna and method for processing received signals in a phased array antenna

Title (de)

Phased-Array Antenne und Verfahren zur Verarbeitung von Empfangssignalen in einer Phased-Array Antenne

Title (fr)

Antenne à réseau à commande de phase et procédé de traitement de signaux de réception dans une antenne à réseau à commande de phase

Publication

EP 2662929 B1 20190220 (DE)

Application

EP 13002387 A 20130504

Priority

DE 102012009402 A 20120510

Abstract (en)

[origin: EP2662929A1] The received signals processing method involves assigning, once or permanently, one individual phase value, which is normally distributed from a phase range within a decorrelation unit (8), to each receiving element (E-1 to E-N) of a phased-array antenna. The normally distributed phase values are added up to oscillator signals (LO-1 to LO-N). The phase displacement corresponding to a receiving direction of the antenna is deployed on complex baseband-signals (IQ-1 to IQ-N) within another decorrelation unit (9) in each receiving path. An independent claim is included for a phased-array antenna.

IPC 8 full level

H01Q 3/30 (2006.01); **H01Q 3/42** (2006.01)

CPC (source: EP)

H01Q 3/30 (2013.01); **H01Q 3/42** (2013.01)

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