

Title (en)

DETERMINING AND FORMING DELAYED WAVEFORMS

Title (de)

BESTIMMUNG UND BILDUNG VON VERZÖGERTEN WELLENFORMEN

Title (fr)

DETERMINATION ET FORMATION DE FORMES D'ONDES RETARDEES

Publication

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Application

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Abstract (en)

[origin: WO0064007A1] A method and system for determining and using beamform factors for forming beams. Maximum and minimum dependent beamform factors (26 B) of an optimum beam are determined from initial beamform factors and an initial parent population of chromosomes is generated, each chromosome including a gene corresponding to a dependent beamform factor and representing an initial candidate beam and subsequent parent populations are generated. A child population (36c) is generated from a parent population by exchanging statistically selected pairs of genes of the parent population and generating a mutated population from the child population. A surviving population is selected from the mutated population by comparing the chromosomes of the mutated population with a fitness criteria and selecting the chromosomes of the mutated population. When a chromosome of the surviving population meets the solution criteria, the genes of the surviving population having the best match are selected to forming a beam.

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