

Title (en)
A FEEDING SYSTEM FOR AN ARRAY OF BOR ANTENNA ELEMENTS

Title (de)
ZUFÜHRSYSTEM FÜR EINE ANORDNUNG VON BOR-ANTENNENELEMENTEN

Title (fr)
SYSTÈME D'ALIMENTATION POUR UN RÉSEAU D'ÉLÉMENTS D'ANTENNES BOR

Publication
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Application
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Priority
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Abstract (en)
[origin: WO2021101425A1] The disclosure relates to a feeding system for an array of BoR antenna elements, the feeding system having a first axis extending in a first direction in a first plane and a second axis extending in a second direction in the first plane, the first direction being perpendicular to the second direction, said feeding system further comprising: a substrate having a connecting surface and a back surface, each of the connecting surface and the back surface being parallel to the first plane and arranged on opposite sides of the substrate, wherein the connecting surface comprises an electrically conductive pattern having a plurality of receiving portions, each receiving portion being arranged to receive a BoR antenna element extending in a third direction perpendicular to said first plane, at least one connector positioned on said back surface, wherein each connector is connected to a feeding line, each feeding line extending from said back surface to said connecting surface, wherein each feeding line is adapted to extend in the first direction or said second direction in-between two adjacent receiving portions so as to form a signal-section; at least one reflecting cavity section having a first thickness, wherein each reflecting cavity section extends in a direction opposite to said third direction from a corresponding signal-section so as to reflect a signal emitted from the corresponding signal-section.

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Citation (search report)

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- See also references of WO 2021101425A1

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