Title (en)

Space borne antenna system

Title (de)

Raumgestütztes Antennensystem

Title (fr)

Système d'antenne spatiale

Publication

EP 2731193 B1 20190724 (EN)

Application

EP 12007610 A 20121108

Priority

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Abstract (en)

[origin: EP2731193A1] The invention provides a space borne antenna system, that comprises a platform (10), at least one feed arrangement and at least one radiating element (40; 40a, 40b; 40b-1, 40b-2). The platform (10) comprises at least one boom (20; 20-1, 20-2). The feed arrangement is arranged on or close to the platform (10) wherein the feed arrangement comprises at least one reflecting element. The at least one radiating element (40; 40a, 40b; 40b-1, 40b-2) is mounted at the tip of the at least one boom which is remote to the platform (10), wherein the at least one radiating element (40; 40a, 40b; 40b-1, 40b-2) is adapted to receive electromagnetic waves from the feed arrangement and to redirect it in a different direction and/or vice versa.

IPC 8 full level

H01Q 1/12 (2006.01); **H01Q 1/28** (2006.01); **H01Q 3/26** (2006.01); **H01Q 19/10** (2006.01); **H01Q 19/19** (2006.01)

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Citation (examination)

D. M. SIMPSON: "The "Snapdragon" Family", PROCEEDINGS OF THE EUROPEAN CONFERENCE ON SPACECRAFT STRUCTURES, MATERIALS AND MECHANICAL TESTING, 1 January 2001 (2001-01-01), pages 337 - 344, XP055376639

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