

Title (en)

METHOD FOR TRACKING A SPACE OBJECT USING ON-BOARD RADAR AND LIDAR SYSTEMS

Title (de)

VERFAHREN ZUR VERFOLGUNG EINES RAUMOBJEKTES UNTER VERWENDUNG VON RADAR- UND LIDAR-SYSTEMEN AN BORD

Title (fr)

PROCEDE DE POURSUITE D'UN OBJET SPATIAL A L'AIDE DE SYSTEMES RADAR ET LIDAR EMBARQUES

Publication

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Application

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Abstract (en)

[origin: CA3161114A1] The invention relates to a method for tracking, by means of a space vehicle (101), a target on an orbital trajectory, the method comprising an acquisition phase (504, 505) which comprises the steps of: - activating a lidar; - acquiring signals from the lidar system, - determining data relating to the trajectory of the target from the signals emitted by the lidar, wherein the space vehicle has embarked on a trajectory (505) to approach or inspect the target, which trajectory is determined depending on the trajectory data of the target; and if the target is no longer detected, - activating a short-distance detection phase which comprises the step of: - activating a wide-field radar.

IPC 8 full level

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