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(54) **Title:** A SOLAR ELEMENT COMPRISING RESONATOR FOR APPLICATION IN ENERGETICS

(57) **Abstract:** A solar element including a basic resonator arranged on a dielectric structure that is constituted by an area (5) with minimum electromagnetic damping, whose upper plane forms the plane of incidence (3). The area (5) with minimum electromagnetic damping is transparent in relation to the incident electromagnetic wave; the area is limited by the boundaries (6) of variations in material properties, and at least one 2D-3D resonator (4) is surrounded by the dielectric (10) and configured in the dielectric structure. The area (5) with minimum electromagnetic damping is coupled with at least one other area (20) exhibiting a different resonance frequency of the basic resonator, and the system is terminated either in the free space or by a solar element (system) intended to absorb the entire amount of the remaining energy provided by the incident electromagnetic wave.

