

Title (en)
INDUCTIVE VOLTAGE ADDER

Title (de)
INDUKTIVE SPANNUNGSADDITIONSEINRICHTUNG

Title (fr)
ADDITION INDUCTIVE DE VOLTAGE

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Application
EP 14707714 A 20140225

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Abstract (en)
[origin: WO2014154414A1] The invention relates to an inductive tension addition unit (1), comprising a coaxial conductor structure comprising an internal conductor (2) and an outer conductor (3) that is divided into a plurality of outer conductor sections (4) corresponding in each case to an amplification stage, wherein the outer conductor sections (4) are coupled by the voltage sources (8) supplying voltage pulses to be added and the outer conductor sections (4) form an impedance avoiding a shortcut between two voltage sources (8) together with an impedance structure (9) when voltage pulses that are to be amplified are given, wherein the outer conductor section (4) is completely interrupted in a non-conductive manner at least at one point (11), in order to form two portions, and the portions of the outer conductor sections (4) are connected by the impedance structure (9) having a blocking effect for a frequency band comprising a frequency defined by the length and form of the voltage pulses.

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