

Title (en)

High voltage generator and method for producing a high-voltage pulse with a large current for driving a shock-wave generator.

Title (de)

Hochspannungsgenerator und Verfahren zur Erzeugung eines Hochspannungsimpulses hoher Stromstärke zum Antrieb einer Stosswellenquelle.

Title (fr)

Générateur haute tension et méthode de production d'une impulsion haute tension à forte intensité de courant pour commander un générateur d'ondes de choc.

Publication

EP 0359863 B1 19940504 (DE)

Application

EP 88115714 A 19880923

Priority

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Abstract (en)

[origin: EP0359863A1] The HV generator provides HV pulses with a high current level to obtain shock waves coupled to an acoustic transmission medium. It uses a signal generator (10) supplying a LV signal (A) coupled to the shock wave source (1) via a pulse forming network (11) which shortends the durations of the LV pulses (A), to obtain corresponding HV pulses with the same energy content. Pref the pulse forming network comprises a multi-stage LC all pass filter, the pulses received from the signal generator (10) pref. having a variable signal duration and/or amplitude via an incorporated D/H converter (20) and an electronic processor (21).

IPC 1-7

G10K 15/04

IPC 8 full level

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CPC (source: EP US)

G10K 15/043 (2013.01 - EP US)

Citation (examination)

Nachrichtentechnische Zeitschrift, Vol. 21, Heft 2, S. 69-74, D. Achilles: "Der Entwurf von Allpässen für die Impulsverdichtung".

Cited by

US8900166B2; WO2009128061A3; EP2382924B1

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