

Title (en)

Pulse compression device, particularly in high frequency transmission

Title (de)

Vorrichtung zur Impulskompression, insbesondere in Hochfrequenzsendung

Title (fr)

Dispositif de compression d'impulsions, notamment en émission hyperfréquence

Publication

EP 0572293 B1 19970827 (FR)

Application

EP 93401179 A 19930507

Priority

FR 9206431 A 19920526

Abstract (en)

[origin: EP0572293A1] The invention relates to a pulse compression device. The pulses to be compressed being frequency-modulated, the device includes at least one transmission line (34) whose cutoff frequency varies along its axis of propagation and means (33) for separating an incident wave and a reflected wave, which means are loaded by the transmission line (34) and receive the pulses to be compressed which reflect along the transmission line, the variation in the cutoff frequency and the frequency modulation of the pulses being tuned. Application: high-power pulse compression in microwave transmission. <IMAGE>

IPC 1-7

H01P 9/00

IPC 8 full level

G01S 7/282 (2006.01); **G01S 13/28** (2006.01); **H01P 1/18** (2006.01); **H01P 1/38** (2006.01); **H01P 9/00** (2006.01); **H01P 9/04** (2006.01)

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