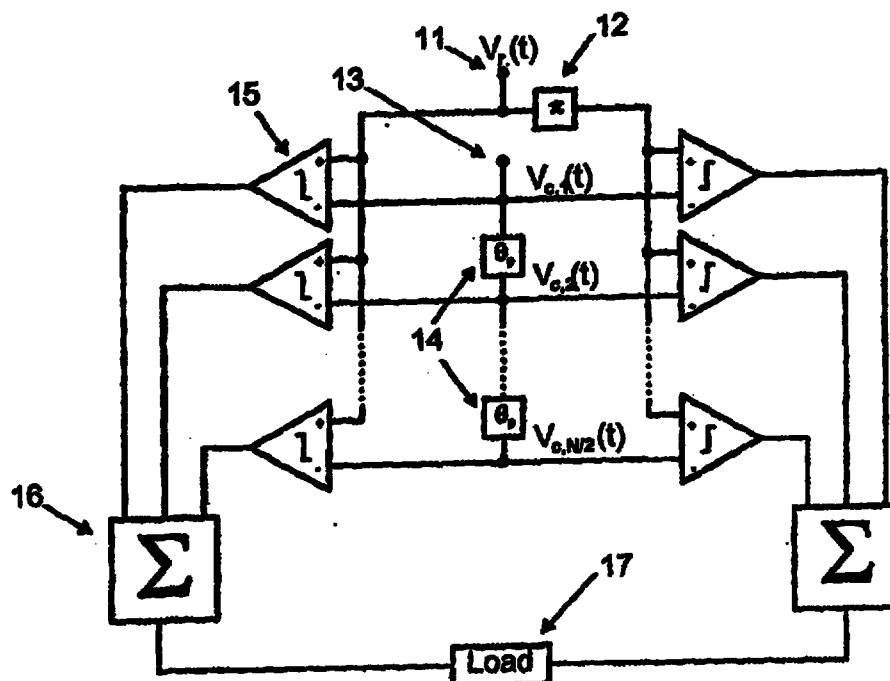




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(54) Title: A PULSE WIDTH MODULATION POWER CONVERTER



(57) Abstract

This invention concerns electrical power conversion by utilising pulse width modulation with several carriers (22). The invention can be used with either analog or digital input (21). Numerous advantages can be obtained by intelligent control of the phase shift Θ_p between the carriers. Hereby a reduction of the high frequency content from the carriers is obtained. Besides of this a common mode free output will be present for special cases (e.g. $N=4$ and $\Theta_p = \pi$). Finally a reduction of the current in the switching devices increases the power handling capabilities.