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(54) Title: AUGMENTATION OF ELECTRICAL CONDUCTION AND CONTRACTILITY BY BIPHASIC CARDIAC PACING		
(57) Abstract A first stimulation phase is administered to the muscle tissue. The first stimulation phase has a predefined polarity, amplitude and duration. A second stimulation phase is then administered to the muscle tissue. This second phase also has a predefined polarity, amplitude and duration. The two phases are applied sequentially. Contrary to current thought, anodal stimulation is first applied, followed by cathodal stimulation. In this fashion, pulse conduction through the cardiac muscle is improved together with an increase in contractility. The technique can also be applied to large muscle tissue stimulation other than cardiac muscle.		