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(54) Title: APPARATUS AND METHOD FOR STIMULATING A SUBTERRANEAN FORMATION

(57) Abstract

A method for stimulating a subterranean formation (14) which is penetrated by a well bore (10) having casing (11) positioned therein so as to establish fluid communication between the formation and the well bore. Propellant (50) is secured to the outer surface (48) of a carrier (44) having a plurality of apertures (45) formed therein. Detonating cord is positioned within said carrier and when ignited causes the propellant to ignite initially at each aperture. In this manner, the propellant is caused to burn in controlled, uniform manner. Upon burning, the propellant generates gases which clean perforations previously formed through the casing into the formation and which extend fluid communication between the formation and the well bore.

