

ABSTRACT

**COPOLYMER, RUBBER COMPOSITION, RUBBER COMPOSITION FOR TIRE  
SIDE USE, CROSSLINKED RUBBER COMPOSITION AND TIRE**

5           The present invention provides a copolymer of a conjugated diene  
compound and a non-conjugated olefin that is used for manufacturing rubber  
excellent in low heat generation properties, heat resistance, ozone resistance  
(weather resistance), a rubber composition containing the copolymer, a  
crosslinked rubber composition obtained by crosslinking the rubber  
10 composition, and a tire manufactured by using the rubber composition or the  
crosslinked rubber composition. In the copolymer of a conjugated diene  
compound and a non-conjugated olefin, the content of 1,2 adduct units  
(including 3,4 adduct units) of a unit derived from the conjugated diene  
compound is 5 % or less.

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Figure 1