

Title (en)
TIRE HAVING FLOATING REINFORCEMENT IN THE SHOULDER/SIDEWALL

Title (de)
REIFEN MIT SCHWIMMENDER VERSTÄRKUNG IN DER SCHULTER/SEITENWAND

Title (fr)
PNEU COMPORTANT UNE ARMATURE FLOTTANTE DANS L'EPAULEMENT/FLANC

Publication
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Application
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Priority
US 9707097 W 19970428

Abstract (en)
[origin: WO9849020A1] A radial ply tire (10) has a floating reinforcement ply on the inside shoulder/sidewall region of the tire. The reinforcement ply comprises ply rubber having a gauge sufficient to delocalize flexing in the tire shoulder/sidewall region, and in one embodiment may be reinforced with 0.50 to 6.0 phr fibers. Depending on the type of tire in which the reinforcement ply is used, the reinforcement has a total gauge of 0.005 inch to 0.175 inch. When fiber is used in the illustrated embodiment, the fiber is oriented circumferentially in the tire.

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