

Title (en)
BIAS- OR RADIAL-CARCASS TYRE

Title (de)
REIFEN MIT VORGESPANNTER ODER RADIALER KARKASSE

Title (fr)
PNEUMATIQUE A CARCASSE RADIALE OU CROISEE

Publication
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Application
EP 14735506 A 20140626

Priority

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Abstract (en)
[origin: WO2014207094A1] The invention relates to a tyre for a rolling assembly comprising a rim and a tyre, said tyre including at least one carcass ply capped radially and externally with a crown ply itself disposed radially inside a tread, said crown ply being formed by at least one layer of reinforcement elements, said tread being connected to two beads by means of two sidewalls, said beads being intended to come into contact with a rim having upper hooks, each bead comprising at least one circumferential reinforcement element, said sidewalls comprising, on their outer surface, a series of projections alternated with recesses, said recesses and projections each having a central axis. The tyre is characterised in that each projection, having a defined or any geometric form, is disposed on the surface of a sidewall, the different projections being disposed discontinuously in a regular or irregular manner between points A and B and between points C and D, in which: point A is disposed at the intersection of the radially external surface of the tread and the sidewall, and a radial axis ZZ' at a distance from an equatorial plane AA' having a length LA between $\frac{1}{2}$ (L-20mm) and $\frac{1}{2}$ (L-80mm), L being the nominal tyre section width; point B is disposed in a radius greater than or equal to [R1 + 0,1 (RA - R1)] and less than RA, R1 being the radius of the nominal tyre section width, and RA being the radius from point A; point C is disposed in a radius less than or equal to [R1 - 0,1 (R1 - R2)], R2 being the radius of the upper hooks; and point D is disposed in a radius in the range R2 < D < R2 + 0,25(R1 - R2).

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