

Title (en)
INDEPENDENT WHEEL SUSPENSION.

Title (de)
UNABHÄNGIGE RADAUFHÄNGUNG.

Title (fr)
SUSPENSION INDEPENDANTE POUR UNE ROUE.

Publication
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Application
EP 93913209 A 19930527

Priority
• GB 9301101 W 19930527
• GB 9218588 A 19920902

Abstract (en)
[origin: WO9405520A1] An independent wheel suspension (1) for all-terrain vehicles has upper and lower wishbones (2, 3) pivoted at one of their ends on the structure (C) of the vehicle about respective axes (X, X1) which are parallel to each other and to a longitudinal axis of the vehicle, a wheel support (4) which is pivotably connected to the wishbones at their other ends about respective axes (Y, Y1) parallel to the other axes, and two telescopic spring/shock-absorber struts (5, 6) pivotably connected at opposite ends to the structure (C) of the vehicle and to the upper wishbone (2), intermediate the ends of the latter, about respective axes (Z, Z1) parallel to the other axes (X, X1; Y, Y1) so that the struts can pivot about their respective axes (Z, Z1) as they contract and extend with oscillations of the wishbones (2, 3) in use, with the lower ends of the struts describing a transverse arcuate path about the axis (Z) of the upper ends. The ability of the struts (5, 6) to pivot about the two axes (Z, Z1) as they are compressed or extended results in their progressive loading or unloading and leads to a smooth ride.

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