

Title (en)
FRONT WHEEL SUSPENSION WITH TRANSVERSAL LEAF SPRING

Title (de)
VORDERRADAUFHÄNGUNG MIT TRANSVERSALER BLATTFEDER

Title (fr)
TRAIN AVANT POUR VEHICULE AUTOMOBILE COMPORTANT UNE SUSPENSION A LAME TRANSVERSALE

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Application
EP 10725365 A 20100407

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Abstract (en)
[origin: WO2010119212A1] The invention relates to a front end assembly for a motor vehicle, in particular for motor vehicle, supporting each of the steering wheels (11) of the vehicle by means of a pivoting wheel holder (4), said front end assembly comprising a suspension comprising a transverse blade (1) made of composite material, attached to the body shell (5) of the vehicle and each end portion (2) of which is rigidly connected to the pivoting wheel holder (4), characterized in that each end (10) of the transverse blade (1) is suspended under the body shell (5) of the vehicle by a holder (6) sandwiching the end (10) of the blade (1), and in that a means (12; 17) for taking-up the longitudinal stresses to the brakes is arranged between the holder (6) of the blade (1) and the pivoting wheel holder (4); the end (10) of the blade (1), the holder (6) and the force take-up means (12; 17) substantially and respectively defining the three sides of a suspension triangle.

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