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(54) Title: METHOD AND DEVICE FOR DETERMINING POTENTIAL DAMAGE OF AN ENDLESS TRACK OF A TRACKED VEHICLE

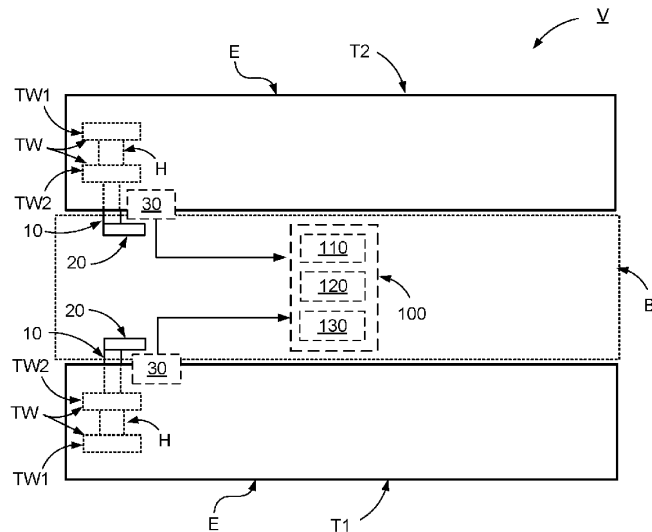


Fig. 4

(57) Abstract: The present invention relates to a method (M1) for determining potential damage of an endless track (E) of a tracked vehicle (V). Said vehicle comprises at least one track assembly (T1, T2) comprising a drive wheel member (DW), a tension wheel member (TW), a set of road wheels (RW) and said endless track (E) disposed around said wheels. Said endless track is rotated by means of said drive wheel member (DW) during drive. The method comprises the steps of: receiving (S1), from at least one sensor, measurement information associated with vibrations of said endless track; based on the information received from said at least one sensor, determining (S2) if there is a natural frequency of said endless track and if so determining the natural frequency of said endless track; and, based on the determination associated with natural frequency, determining (S3) whether there is a potential damage to the endless track. The present invention also relates to a device for determining potential damage of an endless track of a tracked vehicle.

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The present invention also relates to a tracked vehicle with such a device. The present invention also relates to a computer program and a computer program product.