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- (54) Title: BREAK AWAY SPLINE MISALIGNMENT COUPLING

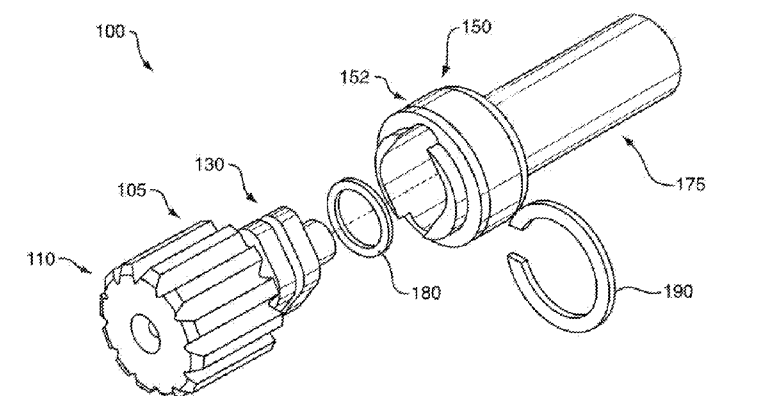


FIG. 1

- (57) Abstract: A torque-limiting coupling may be used to provide a torsion drive between an engine or motor and a driven accessory. If an accessory should experience a catastrophic failure a torsion limit is exceeded and a spline breaks away from the coupling. This guarantees that the internal engine gearing used to drive the accessory is not compromised and interfering with essential moving parts inside the engine. Further, a misalignment compensation limits the side load and wear that occurs when coupling two precision shafts with little clearance on the bearings. With a misalignment coupling, the mount can be slightly out of parallel with no negative effects.

