Title (en)

METHOD AND DEVICE FOR SENSING THE DIRECTION OF CRANKSHAFT ROTATION IN A DIESEL ENGINE

Publication

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Application

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Priority

EP 8800868 W 19880927

Abstract (en)

[origin: WO9003508A1] A method and device for sensing the direction of crankshaft rotation in a diesel engine relies on measuring the angular difference (alpha) between a reference mark (BM) dependent on crankshaft rotation and commencement of fuel injection (FB). Since the normally trailing flank of the cam of the fuel injection pump, effectively becomes the leading flank on reverse rotation, this angular difference becomes substantially larger or substantially smaller than a reference (alpha r) in the event of the reverse rotation. The signal produced upon reverse rotation can be used to stop the engine immediately.

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