Title (en)
APPARATUS FOR THE INSPECTION OF THE UNDERSIDE OF BRIDGES

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Application
EP 85103282 A 19850321

Priority
DE 3410952 A 19840324

Abstract (en)
[origin: US4696371A] The invention relates to a bridge bottom inspection apparatus which includes an operating chassis movable along the edge of the bridge. A lift tower (6) is raisably and lowerably supported by chassis and can extended downwards past the edge of the bridge. A work platform (5) is attached to the lift tower and can be cantilevered beneath the bridge. In order to permit the apparatus to be erected simply, to reduce its overall weight and therefore the load upon the bridge, and to overcome high sound insulation walls located in the guard rail region, the operating chassis has a guide tower (8) located on the bridge, on which the lift tower (6) is guided for up and down movement by means of cantilevered support elements (10). The operating chassis may be a rail or transport vehicle (1). The guide tower (8) is mounted on a turntable (3) of the vehicle pivotably about a horizontal axis (9). Particular further developments of the bridge bottom inspection apparatus described serve to permit it to be moved past masts arranged at the edge of the bridge in such a manner that the lift tower (6) and the work platform (5) can remain in their work position.

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Cited by
CN104634865A; FR2821638A1; US5318149A; CN103698391A; CN104614440A; US5253731A; DE8910749U1; WO9720988A1; WO9103603A1; WO9011407A1

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