

Title (en)
DEVICE FOR BRIDGING EXPANSION JOINTS IN BRIDGE DECKS

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EP 0145667 B1 19880309 (DE)

Application
EP 84810598 A 19841206

Priority
AT 429283 A 19831209

Abstract (en)
[origin: US4566143A] The present invention provides a bridging system which serves to bridge expansion gaps, used in the roadbeds of major structures such as bridges or viaducts. The supporting portion of the system comprises bearers, the upper sides of which are level with the surface of the roadway. The bearers rest on crosspieces that are supported in such a manner as to be able to move, within recesses below the roadway. The secondary gaps between the bearers are sealed by means of elastic rubber strips. In order that any contraction or expansion of the structure is distributed evenly across the secondary gaps, the crosspieces are controlled by means of connecting rods. The ends of these connecting rods are articulated onto opposing edges of the gap. In contrast to conventional systems of this kind in which connecting rods are disposed beneath the crosspieces, in the present system, connecting rods pass through the crosspieces. To this end, a bearing with plastic bearing elements is incorporated in the crosspieces, which makes it possible for the corresponding connecting rod to move and to pivot within the crosspieces.

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