

Title (en)
Low-voltage lighting system.

Title (de)
Niedervolt-Beleuchtungssystem.

Title (fr)
Dispositif d'éclairage à basse tension.

Publication
EP 0304513 A2 19890301 (DE)

Application
EP 87119214 A 19871224

Priority
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Abstract (en)
In a low-voltage lighting system which consists of at least one busbar (1), which can be secured on the sub-floor, and lighting fittings (23) which can be mounted on said busbar by means of adaptors, the busbar (1) consisting of at least two mutually parallel rods (2, 3) of magnetic material which are at different electrical potentials and are separated from one another by an insulating layer (6), it is proposed according to the invention that the contact surfaces of the rods (2, 3) are located next to one another in a plane and the insulating layer (6) between the mutually facing surfaces (4, 5) of the neighbouring rods (2, 3) connects the latter with one another to the busbar (1) and that the adaptors (8) have two mutually parallel electrically and magnetically conducting contact surfaces (12, 13) arranged in one plane for collecting current from the neighbouring contact surfaces of the rods (2, 3), the contact surfaces (12, 13) of the adaptors (8) being separated from one another by an electrically non-conducting permanent magnet (11) and mounted on the latter (Fig. 4). <IMAGE>

Abstract (de)
Bei einem Niedervolt-Beleuchtungssystem bestehend aus mindestens einer am Untergrund befestigbaren Stromschiene (1) und daran mittels Adaptern befestigbaren Beleuchtungskörpern (23), wobei die Stromschiene (1) aus mindestens zwei parallel zueinander angeordneten, auf unterschiedlichem elektrischen Potential liegenden Stangen (2, 3) aus magnetischem Material bestehen, die voneinander durch eine isolierende Schicht (6) getrennt sind, ist erfindungsgemäß vorgesehen, daß die Kontaktflächen der Stangen (2, 3) in einer Ebene nebeneinanderliegen und die isolierende Schicht (6) zwischen den aufeinander zuweisenden Flächen (4, 5) der benachbarten Stangen (2, 3) diese miteinander zur Stromschiene (1) verbindet, und daß die Adapter (8) zwei parallel zueinander in einer Ebene angeordnete elektrisch und magnetisch leitende Kontaktflächen (12, 13) für die Stromabnahme von den benachbarten Kontaktflächen der Stangen (2, 3) aufweisen, wobei die Kontaktflächen (12, 13) der Adapter (8) durch einen elektrisch nicht leitenden Permanentmagneten (11) voneinander getrennt und an diesem (Fig. 4) befestigt sind.

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Cited by
DE29514672U1; EP1903637A3; EP2487756A1; WO2007145446A3

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