

Title (en)
FLEXIBLE SLAB FOR RAILROAD LEVEL-CROSSINGS

Publication
EP 0281013 B1 19910828 (DE)

Application
EP 88102774 A 19880225

Priority
DE 3707305 A 19870306

Abstract (en)
[origin: US4860952A] Elastic plates for level railroad crossings have rail-adjacent edges which are profiled in their vertical cross sections to provide the required interlock. The plates have a first pair of grooves in the top and the bottom of the plate running parallel to the rail and have a second pair of upper and lower parallel grooves in the top and the bottom of the plate running transverse to the rail. In each pair of grooves, the groove in the top of the plate is laterally offset with respect to a parallel groove in the bottom of the plate, and each pair of grooves forms an expansion and contraction crease therebetween. Pairs of grooves in the top and the bottom of the plate are spaced, so that the distances between individual expansion creases, or between expansion creases formed by groups of creases, are large relative to the distance between the grooves which constitute the expansion creases. The first and second pairs of grooves intersect one another and in order to prevent an aperture or opening from being formed in the plate at the points of intersection, an integral layer of material is provided at each intersection to seal between the upper and lower sides of the plates.

IPC 1-7
E01C 9/04

IPC 8 full level
E01C 5/18 (2006.01); **E01C 9/04** (2006.01)

CPC (source: EP US)
E01C 9/04 (2013.01 - EP US)

Cited by
DE202016101675U1; DE102015113728A1; EP0374325A1; US5439625A; DE102019116130A1; DE29607834U1; EP0590342A1; DE10247063B3; DE10247063C5; WO2020249638A1; DE202008008645U1; WO2010000460A1; WO2017029038A1; US11313084B2; DE102022123268A1; WO2024056540A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

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