

Title (en)

METHOD AND DEVICE FOR SEALING THE PSS LAYER OF A RAILWAY ROUTE

Title (de)

VERFAHREN UND EINRICHTUNG ZUM ABDICHTEN DER PSS-SCHICHT EINER EISENBAHNTRASSEE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SCELLEMENT DE LA COUCHE PSS D'UN CHEMIN DE FER

Publication

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Application

EP 21839408 A 20211213

Priority

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Abstract (en)

[origin: WO2022128928A1] The invention relates to a method for producing a permanent water tightness of a protective layer (17), i.e. a PSS layer (17). Such a layer is located below a new ballast bed (18) to be produced in order to construct a rail. The PSS layer (17) is made water-tight by spraying a multicomponent mixture of resins in gel form in a program-controlled manner and adding water and selectively one activator or a retarder. This process is preferably carried out within a track construction train as a sub-function thereof. Such a mixture is applied in a computer-controlled manner with a selected uniformity of the coating per unit of surface area and with a selected insertion depth over the entire PSS layer (17) such that the water tightness can be reliably and certifiably ensured. The invention advantageously includes an adhesive carriage (14). An application device is constructed thereon, comprising containers for the components of the mixture as well as all of the elements for precisely mixing and pumping the mixture to a spray unit (25) with spray beams (20-23) and spray nozzles (24).

IPC 8 full level

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