

Title (en)

IMPROVED MATERIAL FOR BRIDGE JOINTS AND FOR USE IN, AND METHOD OF, REPAIRING OR SURFACING ROADS AND THE LIKE

Publication

EP 0356066 B1 19920408 (EN)

Application

EP 89308088 A 19890809

Priority

- GB 8820329 A 19880826
- GB 8830290 A 19881228

Abstract (en)

[origin: EP0356066A2] A material for repairing roads and other areas comprises a bituminous binder, in most instances rubberised bitumen, which may be mixed with aggregate and chopped glass or other fibres. Rubber chips are bound by the binder and comprise substantially sized pieces of rubber having a dimension of at least 2 mm. Also bound in the binder are sections of metal wire or fibre. Suitably the rubber chips and metal reinforcement may be obtained by chopping up old metal reinforced vehicle tyres. This gives an appropriate proportion of metal to rubber. The material may be used for bridge or other expansion joints or for patching cracked areas, particularly in and around concrete joints, for subsequent treatment with an overlay, the resilient rubberised bitumen being load bearing and having sufficient tensile strength that reflective cracks are not transmitted to the overlay from underlying concrete having a large coefficient of thermal expansion. Also, the material may be used as a membrane layer covering a base layer or surface. Such a layer may be formed by spreading the binder, possibly also with the addition of strengthening glass fibres, distributing the rubber chips and metal over the binder, and rolling to consolidate.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

FR2705375A1; AU712740B2; NL1016907C2; US5367007A; US5221702A; EP0483995A1; FR2716216A1; EP0669425A1; WO9632174A1; WO9312297A1

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