

Title (en)  
Road regeneration plant.

Title (de)  
Strassenregenerierungsanlage.

Title (fr)  
Atelier de régénération d'une chaussée.

Publication  
**EP 0282381 A1 19880914 (FR)**

Application  
**EP 88400357 A 19880217**

Priority  
FR 8702856 A 19870303

Abstract (en)  
1. Workshop for regenerating a road, capable of moving on the latter to regenerate the surfacing on it, and consisting of a self-propelled vehicle comprising, in the direction of travel (A), milling devices (I), devices (II) for mixing the milled products with the addition of a regenerating binder as well as devices (III) for distributing on the road the surfacing thus treated, and smoothing and pre-compacting devices (IV), workshop characterised in that the milling devices (I) consist of a milling rotor (5) which can be moved transversely, or first rotor, and a fixed milling rotor (6) or second rotor disposed behind the first rotor (5) as seen from the direction of travel (A) of the vehicle, the said two rotors, (5, 6) each disposed in a crushing chamber (5', 6',) fitted with crushing bars (8, 8', 10, 10') consisting of a driving tube (50, 60) disposed approximately at right angles to the direction of travel (A) and onto which three helixes are welded each fitted with a series of teeth (7).

Abstract (fr)  
L'invention concerne un atelier de régénération d'une chaussée. Cet atelier est caractérisé par des organes de fraisage (I) constitués par un rotor de fraisage (5) déplaçable transversalement ou premier rotor et par un rotor de fraisage (6) fixe ou second rotor disposé en arrière du premier rotor (5) dans le sens d'avancement (A) du véhicule, des deux rotors (5, 6) étant disposés chacun dans une chambre de décohesion (5', 6') munie de barres de décohesion (8, 8', 10, 10') ainsi que par des organes de malaxage (II), des organes de répartition (III) et des organes de lissage et de précompactage (IV).

IPC 1-7  
**E01C 23/06**; **E01C 23/08**; **E01C 19/40**

IPC 8 full level  
**E01C 19/40** (2006.01); **E01C 23/06** (2006.01); **E01C 23/08** (2006.01); **E01C 23/088** (2006.01)

CPC (source: EP)  
**E01C 19/405** (2013.01); **E01C 23/065** (2013.01); **E01C 23/088** (2013.01); **E01C 2301/50** (2013.01)

Citation (search report)  
• [A] US 4637753 A 19870120 - SWISHER JR GEORGE W [US]  
• [A] US 3843274 A 19741022 - VOLLE E, et al  
• [A] US 4011023 A 19770308 - CUTLER EARL F  
• [A] US 4453856 A 19840612 - CHIOSTRI MARIO [IT], et al  
• [A] DE 2012673 A1 19711007  
• [A] DE 3508884 A1 19860925 - WIRTGEN REINHARD  
• [A] CH 586792 A5 19770415 - ARX AG  
• [A] FR 2586435 A1 19870227 - BEUGNET SA [FR]  
• [A] PRIX DE L'INNOVATION 1985, no. 607, février 1986, pages 27-32; H. DELAVENAY et al.: "L'ARC 600 - l'atelier de reconditionnement de chaussée"

Cited by  
US11613855B1; WO2016120545A1; DE112008001749B4; FR3031991A1; EP0364742A3; CN112387364A; EP0896094A1; NL2000239C2; AU634278B2; US2023116589A1; EP2931980A4; US9217228B2; WO2011036262A3; US9890504B2; US10415195B2; US10947678B2; WO2008035966A3; WO9102846A1; WO03080935A1; WO9626319A1; WO9211415A1; US8668274B2; US9689120B2; US9963842B2; US10550530B2

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

DOCDB simple family (publication)  
**EP 0282381 A1 19880914**; **EP 0282381 B1 19900829**; AT E56059 T1 19900915; DE 3860501 D1 19901004; ES 2018076 B3 19910316; FR 2611767 A1 19880909; FR 2611767 B1 19890630

DOCDB simple family (application)  
**EP 88400357 A 19880217**; AT 88400357 T 19880217; DE 3860501 T 19880217; ES 88400357 T 19880217; FR 8702856 A 19870303