

EUROPEAN PATENT APPLICATION

Application number: **87118651.6**

Int. Cl.4: **E01C 23/08 , E01C 23/09 ,
E02F 3/96 , E02F 3/38**

Date of filing: **16.12.87**

Priority: **08.01.87 GB 8700379**

Date of publication of application:
10.08.88 Bulletin 88/32

Designated Contracting States:
AT BE CH DE ES FR GB GR IT LI LU NL SE

Date of deferred publication of the search report:
26.10.88 Bulletin 88/43

Applicant: **Econ Group Limited**
Boroughbridge Road
Ripon North Yorkshire, HG4 1UE(GB)

Inventor: **Lupton, William George**
c/o Econ Group Limited Boroughbridge Road
Ripon N. Yorkshire, HG4 1UE(GB)

Representative: **Denmark, James**
c/o Bailey Walsh & Co. 5 York Place
Leeds LS1 2SD Yorkshire(GB)

Road working apparatus.

The invention provides that a vehicle (10) has connected to the front or the rear thereof a beam (16) which lies at right angles to the fore and aft direction of the vehicle (10). Mounted on the beam (16) is a cutting unit (24) for cutting a road surface (20), such cutting unit (24) being movable along the beam (16) so as to cut a transverse strip in the road surface (20) whilst it moves. The arrangement has jacking means whereby the beam (16) which has support legs (182, 184) can be jacked onto the ground so that the vehicle weight is taken by said legs (182, 184) to ensure stable cutting by the cutting unit (24). By sequentially raising and lowering the beam (16) and moving the cutter (24) along the beam (16), and by indexing the vehicle (10) forwardly or rearwardly, parallel strips can be cut in the road surface (20) in order to remove an area of the surfacing material for resurfacing or for gaining access to service pipes or the like. The cutter (24) is a drum which lies normally with its axis at right angles to the length direction of the beam (16), but it can be turned through 90° in a modified form of the invention, and the vehicle (10) can be moved forwardly or rearwardly with the cutter (24) in this position so as to cut a strip of road surfacing material in a direction of travel of the vehicle (10).

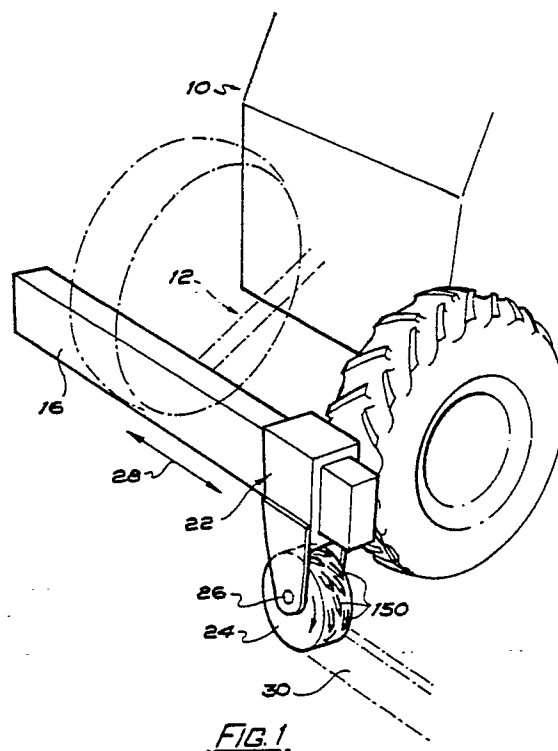


FIG. 1.

EP 0 277 326 A3

**Application number**

EP 87 11 8651

EPO Form 1503 03 82



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

X LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,

namely:

1. Claims 1-9, An apparatus for cutting roadsurfaces a cutter rotatable about a vertical axis, having raising and lowering means and support means for the beam
2. Claims 1,10: Apparatus for cutting roadsurfaces having a backhoe mounted on the beam
3. Claims 1,11-13: Apparatus for cutting roadsurfaces characterised by its vehicle and the power derived from this vehicle
4. Claims 1,14: Apparatus for cutting roadsurfaces having a depth control-wheel
5. Claims 1,15: Apparatus for cutting roadsurfaces characterised by the means for moving the cutterhead along the beam

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,

namely claims: 1-9