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EUROPEAN PATENT APPLICATION

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54 **Apparatus for removing a surface layer from the ground.**

57 Apparatus is described for removing a hard surface layer from the ground, for example from the road comprising a vehicle (20) having support means (24) mounted on a frame (22) of the vehicle (20), a rotary cutting device (32) carried by the support means (24) and moving means, conveniently provided by hydraulic rams, for urging a cutter (38) of the cutting device (32) into and out of operative engagement with a surface (18) to be removed on

which the vehicle (20) is standing, means is also provided for moving the cutting device (32) in engagement with the surface (18) relative to frame (22) of the vehicle (20) along the surface (18) to remove the surface layer. Apparatus may be use in road planing or in digging a trench in which latter case a digging device is also mounted on the frame (22) of the vehicle (20) to dig out the remainder of the material from the trench.

EP 0 283 286 A3

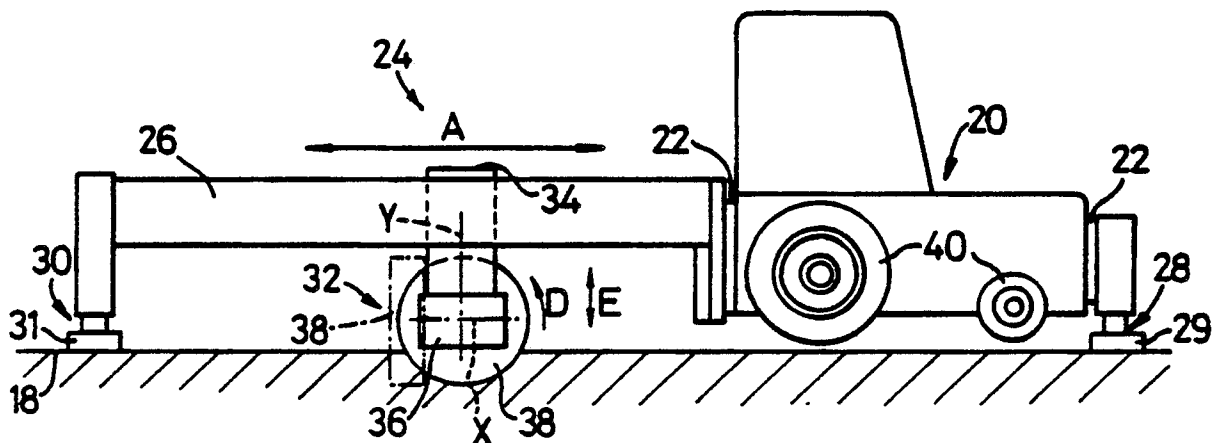


Fig. 1



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EUROPEAN SEARCH REPORT

Application number
EP 88 30 2340

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	EP-A-0 142 277 (ECON GROUP) * Page 1, lines 4-10; page 2, lines 3-34; page 3, lines 14-17, 32 - page 4, line 3; page 5, lines 12-23, 27, 28, 33-36; page 6, lines 1-17, 24-29; page 7, lines 1-9; page 8, lines 13-19, 36 - page 9, line 1; figure 1 *	1, 3, 4, 7-9, 12, 16	E 01 C 23/08 E 01 C 23/12 E 02 F 3/96 E 02 F 5/02
X	--	15	
L	HIGHWAYS + PUBLIC WORKS, vol. 53, no. 1897, January 1985, pages 14-15, 16, 32; J.A. SIDES: "spreading the cost of asphalt pavement maintenance" * Article 11: "Co-operation leads to cold planer development", left-hand column, lines 6, 7, 26, 30-32; right-hand column, lines 16, 17, 19-21, 26-29; top illustration* L: "JBC excavator, mentioned in above EP-A-0 142 277".		TECHNICAL FIELDS SEARCHED (Int. Cl. 4) E 01 C E 02 F
Y	US-A-4 531 883 (ARNOLD) * Column 1, lines 5-7, 11-15, 38-44, 48, 49; column 2, lines 53-62, 66-68; column 3, lines 2-6, 46, 53; column 4, lines 3, 4, 6, 7, 56, 59-61, 64, 65; figures 1, 2A, 2B, 5A, 5B *	1, 3, 4	
A	-- ./.	6, 14, 15	
<div> <div> <div>Place of search</div> <div>THE HAGUE</div> </div> <div> <div>Date of completion of the search</div> <div>13-12-1989</div> </div> <div> <div>Examiner</div> <div>SCHUMAN</div> </div> </div>			
<div> <div> <div>CATEGORY OF CITED DOCUMENTS</div> <div> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document </div> </div> <div> T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document </div> </div>			



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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 1-15: Surface layer removing apparatus.
2. Claim 16: Method excavating trench.

- ☐ 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: 1-15



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