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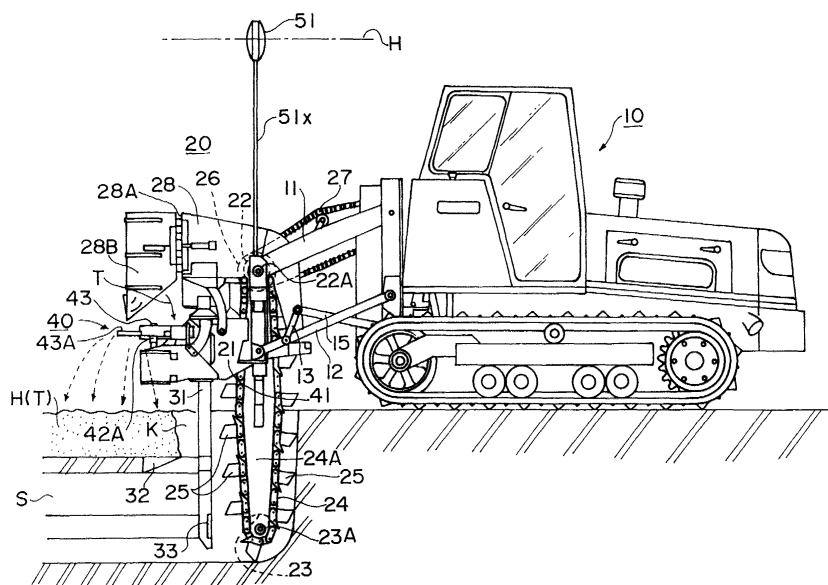
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(54) **Device and method for excavating deep trenches**

(57) The invention is embodied in a device, and method for excavating an underdrainage (a subterranean drain) which is capable of preserving surface vegetation such as grass in pasture in good condition and providing excellent drainage. The device 20 forms an underdrainage in the ground while being hauled by a tractor 10. The underdrainage excavating device has a discard device 40 for discarding the dirt excavated by an endless belt of excavating buckets 25 to scatter the

dirt over an extended area of the ground such that the grass and pastures will not be buried and wither. Part of the dirt covers a slit space S such that any dirt entry from outside into the slit space S is prevented. The excavating device 20 also forms an underdrainage by following an inclined plane signal which projects an inclined plane at an angle to a reference horizontal plane such that said underdrainage slopes to provide excellent gravity drainage performance.

**F I G . 1**



**EP 1 091 047 A3**



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# EUROPEAN SEARCH REPORT

Application Number  
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 6 December 2001	Examiner Laurer, M
CATEGORY OF CITED DOCUMENTS 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 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			

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# EUROPEAN SEARCH REPORT

Application Number  
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<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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  &amp; : member of the same patent family, corresponding document</p>			

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EP 00 30 7606

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