Title (en)

Excavating device for digging trenches in the ground.

Title (de)

Fräsvorrichtung zum Ausheben von Gräben im Boden.

Title (fr)

Engin de fraisage pour creuser des tranchées dans le sol.

Publication

EP 0299871 A1 19890118 (FR)

Application

EP 88401831 A 19880713

Priority

FR 8710069 A 19870716

Abstract (en)

[origin: JPS6433325A] PURPOSE: To render the thickness of a support plate thin by attaching boring drums substantially vertically to both the surface of a support plate having curved grooves, and also attaching them in order to rotate about an axis being substantially at right angles with respect to the support plate. CONSTITUTION: A support unit 4 secured to a frame 1 comprises a base plate 5, a support plate 6 and sleeve-like attachment table 7. Also, boring drums 2a, 2b rotate about an axis 9 being substantially at right angles with respect to the support plate, and the drum 2a has a bite 10a projecting from the drum edge in the lateral direction at a plane surface 8 side; in the same manner, the drum 2b has a bite 10b projecting from the drum edge 11b. The plate 6 has curved grooves 12a, 12b through which the tip ends of the bites passe when the bites 10a, 10b rotate. The edge of the diameter directional outside of the bite 10a lies at a distance (ra) from the axis 9, and the diameter directional outside of the bite 10b lies at a distance (rb) that is smaller than (ra).

Abstract (fr)

L'invention est relative à un dispositif de fraisage pour creuser des tranchées, du type comportant au moins une plaque de support (6) sensiblement verticale de part et d'autre de laquelle deux tambours de fraisage (2a, 2b) sont montés à rotation autour d'un axe (9) sensiblement perpendiculaire à la plaque, chacun des tambours portant, sur celui de ses bords qui est adjacent à la plaque de support, au moins un outil (10a, 10b) qui fait saillie latéralement par rapport à ce bord, et la plaque de support comportant, en regard de la trajectoire desdits outils, des rainures circulaires (12a, 12b) coaxiales aux tambours dans lesquelles passent les extrémités de ces outils lorsque les tambours tournent. Les outils en saillie (10a) d'un des tambours (2a) sont disposés à une distance (ra) dudit axe différente de la distance audit axe des outils en saillie (10b) de l'autre tambour (2b), lesdites rainures ayant, de façon correspondante, des rayons différents.

IPC 1-7

E02F 5/08

IPC 8 full level

E02F 5/08 (2006.01); **E02F 3/20** (2006.01); **E02F 3/22** (2006.01); E02F 5/02 (2006.01)

CPC (source: EP US)

E02F 3/205 (2013.01 - EP US); **E02F 3/22** (2013.01 - EP US)

Citation (search report)

- [A] EP 0207232 A1 19870107 - BAUER SPEZIALTIEFBAU [DE]
- [A] FR 2578876 A1 19860919 - TONE BORING CO [JP]
- [A] FR 1545629 A 19681115 - CIE FRANCAISE DE GEOMECANIQUE

Designated contracting state (EPC)

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