CLAIMS

1. A cutting head (1) for an excavation machine (6) for making vertical trenches, comprising:

- at least a first drum (8) and a second drum (10) positioned side by side, in the vicinity of each other and configured to rotate respectively about a first axis of rotation (8a) and a second axis of rotation (10a), the first and second axes of rotation being different and extending substantially along a horizontal direction, and

- a support (2) including an upper side (2b) and a lower side (2c), the support being intended to be mounted, from its upper side, on a frame (4) of the excavation machine, and the first and second drums being mounted on the lower side (2c) of said support,

- at least one first motor assembly (12) and a second motor assembly (14), in particular hydraulic or electric assemblies, mounted on the upper side (2b) of the support and including respectively a first drive shaft (12a) and a second drive shaft (14a), said at least two drums (8, 10) being driven in rotation by said at least two motor assemblies (12, 14), and

- means for mounting and dismounting (16) the cutting head on the frame of the excavation machine, said mounting and dismounting means (16) being mounted on the upper side (2b) of the support,

characterized in that the mounting and dismounting means (16) are positioned, in particular when the cutting head (1) is viewed along said horizontal direction of the first and second axes of rotation (8a, 10a), between the two planes (Q, Q') defined respectively by the first drive shaft (12a) and said horizontal direction, and by the second drive shaft (14a) and said horizontal direction, for example between the two substantially vertical planes (P, P') passing through said first and second axes of rotation (8a, 10a).

2. The cutting head (1) according to claim 1, wherein the mounting and dismounting means (16) are positioned, when the cutting head is viewed along said horizontal direction of the first and second axes of rotation, between said at least two motor assemblies (12, 14).

3. The cutting head (1) according to claim 1 or 2, also comprising a suction opening mounted between the first drum and the second drum (8, 10), and wherein the mounting and dismounting means (16) and an

area of connection of the suction opening are positioned, when the cutting head (1) is viewed along said horizontal direction of the first and second axes of rotation, between said two motor assemblies (12, 14).

4. The cutting head (1) according to any of the preceding claims, wherein the two motor assemblies are mounted on the upper side (2b) of the support so that the drive shaft of each motor assembly intersects the axis of rotation (8a, 10a) of the corresponding drum, and wherein the drive shafts of the motor assemblies extend in the same plane (R) along secant directions such that the distance between the two drive shafts (12a, 14a), at the level of the motor assemblies (12, 14), is greater than the distance between the points of intersection of the drive shafts with the axes of rotation (8a, 10a) of the corresponding drums.

5. The cutting head (1) according to any of the preceding claims, wherein the mounting and dismounting means (16) comprise at least two pins (16a, 16b) extending along a substantially vertical direction, preferably perpendicularly to the upper side (2b) of the support.

6. An excavation machine (6) comprising a frame (4) and a cutting head (1) according to any one of the preceding claims.

7. The excavation machine (6) according to claim 6, also comprising a peripheral protection means (28) positioned around the motor assemblies (12, 14), between the upper side (2b) of the support and the frame (4).

8. The excavation machine (6) according to claim 6 or 7, wherein the frame (4) includes locking means (18) configured to cooperate with the means for mounting and dismounting (16) the cutting head (1), for example keys (24) actuated by motor means such as cylinders (22), to be inserted into a corresponding orifice (20a, 20b) of the mounting and dismounting means (16).

9. The excavation machine (6) according to claim 8, wherein said keys (24) and orifices (20a, 20b) have complementary pyramidal or conical shapes.

10. The excavation machine (6) according to claim 8 or 9, wherein said locking means (18) are configured to move, to cooperate with the means for mounting and dismounting (16) the cutting head, along a direction substantially parallel to said horizontal direction.