

UNDERWATER MINER CUTTER HEAD, UNDERWATER MINER, AND UNDERWATER MINING SYSTEM

{Abstract}

Provided is an underwater miner cutter head (20) attached to an underwater miner disposed on a seabed and configured to excavate the seabed, the cutter head including cylindrical cutter drums (21) disposed on respective sides defining a regular polygon in plan view, having bits (26) on the outer circumferential surfaces thereof, and configured to rotate around corresponding first rotational axes by first driving sources; and an intake (28) disposed at a center part of the regular polygon and configured to receive muck excavated with the bits (26), wherein rotating directions of the cutter drums (21) are set such that the bits (26) sequentially move toward the intake (28).

FIGURE 1