

The invention relates to mineral dressing. A mix is influenced by magnetic field with intensity gradient perpendicular to the direction and the plane of mix displacement, in the separation zone continuous transportation of magnetic fraction by magnetic field above not magnetic fraction being transported by vibration is carried out, the last is simultaneously removed from the separation zone, magnetic fraction is further transported to the zone of its discharging, and removal of magnetic field is carried out after transportation of magnetic fraction to the discharge zone.