

MAGNET SEPARATOR

ABSTRACT

5 A magnet separator which is not easily affected by a
foreign substance contained in a fluid and has high
durability is provided. A magnet separator includes a
separator body, a magnet drum and a driving portion.
The magnet drum includes a first shaft extending in a
10 horizontal direction, a cylinder provided inside the
separator body, rotatably supported in the first shaft
and including an outer circumferential surface and an
inner circumferential surface, an inner cylinder
secured to the first shaft inside the cylinder, a
15 magnet provided in the inner cylinder so as to face the
inner circumferential surface, and a second shaft
provided on a same line as a central axis of the first
shaft and rotating together with the cylinder. The
separator body includes a pair of side walls arranged
20 in the horizontal direction. The driving portion
includes an output portion provided on the same line as
the central axis of the first shaft outside the
separator body. The second shaft penetrates one of the
side walls toward outside of the separator body. The
25 output portion is connected to the second shaft to
rotate the cylinder.

Fig. 1