

WIRE ROPE FLAW DETECTION APPARATUS

ABSTRACT

According to the invention, first and second sensor portions as split parts of a magnetic sensor are provided in first and second sensor bases respectively. A connection unit for connecting the first and second sensor bases with each other includes first and second protrusions and first and second extension portions, which are opposed to each other with a wire rope held therebetween. The first and second protrusions are disposed asymmetrically, and the first and second extension portions are set to have different shapes. According to the invention, first and second insertion holes with which the first and second protrusions engage respectively are positioned correspondingly to the first and second protrusions respectively, and first and second engagement grooves with which the first and second extension portions engage respectively are shaped correspondingly to the first and second extension portions respectively. Thus, the first and second sensor portions can be always disposed in a correct positional relation for forming a proper magnetic sensor regardless of the skill level of an operator.

(Figure 2)