

ABSTRACT

A machine learning apparatus (4) generates a learning model (6) to be used in a sliding-surface diagnosis apparatus (1A) for diagnosing a condition of sliding surfaces of a fixed-side sliding member and a rotation-side sliding member. The machine learning
5 apparatus (4) includes: a learning-data memory (41) configured to store learning data including input data containing at least data on motor current value in a predetermined period, data on contact electric resistance in the predetermined period, and data on vibration (AE wave or acceleration) in the predetermined period; a machine learning section (42) configured to input the learning data to the learning model (6) to cause the
10 learning model (6) to learn a correlation between the input data and diagnostic information of the sliding surfaces; and a learned-model memory (43) configured to store the learning model (6) that has learned by the machine learning section (42).

FIG. 4