

VIBRATION LOAD REDUCTION SYSTEM FOR A WIND TURBINE

ABSTRACT OF THE DISCLOSURE

A wind turbine (10) includes a tower (18), a nacelle (16) supported at an upper end of a tower (18), a rotor (12) having at least one blade (14) and being arranged at the nacelle (16), and a vibration load reduction system (20) disposed at either the tower (18) or the nacelle (16). The vibration load reduction system (20) includes a base (24), at least two columns (22) extending from the base (24), and a flowable mass (28) located within the base (24) and the at least two columns (22).

Fig. 3