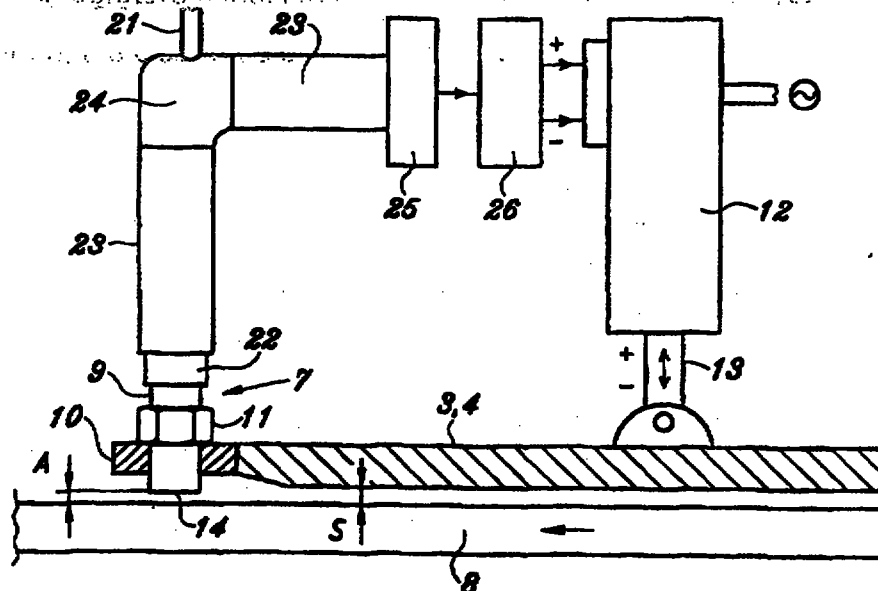


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(54) Title: METHOD AND DEVICE FOR SENSING A CLEARANCE



(57) Abstract

The invention relates to a method and to an arrangement for sensing the clearance between an object and an object-adjacent surface. The process of sensing the clearance is intended for application particularly in the case of difficult ambient conditions, such as in dirty, corrosive environments and under varying temperature and pressure conditions, e.g. to measure and hold constant the clearance between the sector plates (3, 4) of a regenerative rotary air preheater and the end surfaces of the rotor (2, 8). The invention is characterized in that the sensing device (7) used is comprised of a compressed-air operated pipe (9) which is mounted on the object (3, 4) and which includes a sound-emitting opening (14) located adjacent the surface (8), wherewith changes in the distance (S) between the object (3, 4) and the surface (8) are represented by changes that occur in the frequency of the pipe (9).