

ABSTRACT

A de-bonding leveling device and a de-bonding method, for use in implementing the leveling in a de-bonding process between a first object and a second object. The first object and the second object are respectively fixed by a first fixation plate (11) and a second fixation plate (21). The device comprises a mounting plate (30), a connecting rod assembly (40), and at least three elastic assemblies (70). The mounting plate (30) is disposed on the outer side of one of the first fixation plate (11) and the second fixation plate (21). The connecting rod assembly (40) is fixed to the central position of the mounting plate (30). The connecting rod assembly (40) is connected to one fixation plate by means of a sliding pair (50) and a spherical pair (60) that are sequentially connected. The elastic assemblies (70) are disposed between the mounting plate (30) and one fixation plate, and are respectively connected to the mounting plate (30) and the fixation plate. By using the combination of the sliding pair and the spherical pair, a leveling object can adapt to dynamic changes of a reference object, and the elastic assemblies enable the leveling object to be leveled according to the real-time attitude of the reference object. The structure is simple, the layout is proper, and actual applications are easy, so that the de-bonding leveling device has better use value in a dynamical leveling working condition that does not need active control.