

Title (en)
STRIPPING DEVICE FOR PRESS MOLD

Title (de)
ABSTREIFVORRICHTUNG FÜR EINE PRESSFORM

Title (fr)
DISPOSITIF D'ARRACHAGE POUR MOULE DE PRESSE

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Application
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Abstract (en)
[origin: EP3584019A1] The present invention relates to a stripping device for a press mold and, more specifically, the objective of the present invention is to enable work productivity and efficiency to be improved by improving the structure of the stripping device for preventing a panel from being lifted up together by separating a punch and the panel when the punch retracts after punching during a punching operation using the punch in the press mold. The present invention relates to the stripping device (100), which has a punch holder (10) mounted at the front of an upper die or a cam slider (3) of the press mold and including the punch (16), and has a housing (30) fixedly mounted at the front surface of the punch holder (10) and having an elastic member (50) and a press member (70) provided therein, thereby being compressed with a restoring elastic force while the press member (70) comes in contact with an object to be punched. The stripping device (100) comprises: the housing (30) having a press member moving part (31) and an elastic member accommodating part (35) which are continuously formed from one side thereof toward the other side thereof along a cylindrical inner diametral surface, and having a support part (39) formed to protrude from an outer diametral surface of the other side thereof and having a fixing hole (39a) so as to be bolt-coupled and fixed to the front surface of the punch holder (10); a moving plate (40) inserted into the elastic member accommodating part (35) from the other side of the housing (30) and caught by a stepped portion from the press member moving part (31), and having a hole, through which the punch (16) passes, formed at the center thereof; the elastic member (50) having a hole, through which the punch (16) passes, formed at the center thereof and inserted into the elastic member accommodating part (35) so as to allow the moving plate (40) to be compressed while moving along the elastic member accommodating part (35); a fixed plate (60) having a hole, through which the punch (16) passes, formed at the center thereof, and fitted into the inner diametral surface of the elastic member accommodating part (35) opened at the other side of the housing (30), and then press-fitted and assembled to the front end of the other side of the housing (30) and coupled thereto; the press member (70) having a guide part (71) provided at the other side thereof and slidably inserted into the press member moving part (31) from one side of the housing (30) so as to come in contact with the moving plate (40), having a withdrawing part (72) having a diameter smaller than that of the guide part (71) and continuously formed to protrude from one side thereof, and having a longitudinal pin passing hole (73), through which the punch (16) moves, formed at the center thereof; and a fixing ring (80) detachably fitted into a ring fitting groove (32) formed at the front end at one side of the inner diametral surface of the press member moving part (31) so as to restrict the guide part (71) of the press member (70) from moving in one direction.

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