

Title (en)  
PUMP-SECURING STRUCTURE AND PUMP

Title (de)  
PUMPENFIXIERSTRUKTUR UND PUMPE

Title (fr)  
STRUCTURE DE FIXATION DE POMPE ET POMPE

Publication  
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Application  
**EP 13806282 A 20130606**

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Abstract (en)  
[origin: EP2873868A1] The present invention provides a pump-securing structure for securing, to a securing stand, a pump having a pump part and a motor part, wherein the pump-securing structure is able to minimize the transmission of vibration from the motor part to the securing stand even if a part of the pump to be secured to the securing stand changes over time and deforms. In a pump-securing structure (1), a pump (2) is provided with a pump part (6) having an internally disposed impeller, and a motor part (7) for spinning the impeller. The motor part (7) is provided with a resin motor case (14) and is integrated with a stator; and the external peripheral surface of the motor part (7) describes the form of a substantially truncated conical surface having a draft angle for removing the motor case (14) from a die used when integrally forming the stator and the motor case (14). A securing stand (3) is provided with a motor-supporting part (3a) disposed below the motor part (7) and a part (9d) to which the pump part (6) is secured is secured to the securing stand (3). A buffer member (34) is disposed between the motor part (7) and the motor-supporting part (3a).

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