

Title (en)  
Pump with static device for switching it on

Title (de)  
Pumpe mit fester Einschaltvorrichtung

Title (fr)  
Pompe à dispositif fixe de mise en marche

Publication  
**EP 0843100 A1 19980520 (FR)**

Application  
**EP 97402458 A 19971017**

Priority  
FR 9614087 A 19961119

Abstract (en)  
The pump is contained in a sealed enclosure with breathe holes (3) positioned at the pump base. The pump has a static liquid presence sensor (8) which is mounted in a reverse flow tube (6) at a lower level than that of the tube output (7). The sensor is designed to detect the presence of a liquid at its level. A start/stop circuit (9) for the pump motor (4) is controlled by the sensor. The sensor may be of pressure, optical, ultrasound, temperature, capacitance, piezo-electric, or flexible membrane type.

Abstract (fr)  
Dans cette pompe à enveloppe étanche, un détecteur (8) de présence de liquide est monté dans la tubulure (6) de refoulement à un niveau inférieur à celui de l'embouchure (7) de la tubulure (6) de refoulement. Il commande la mise en marche du moteur (4) de la pompe. <IMAGE>

IPC 1-7  
**F04D 15/02**

IPC 8 full level  
**F04D 15/02** (2006.01)

CPC (source: EP)  
**F04D 15/0218** (2013.01)

Citation (search report)

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