

Title (en)  
PUMP ARRANGEMENT HAVING SAFETY VALVE

Title (de)  
PUMPENANORDNUNG MIT SICHERHEITSVENTIL

Title (fr)  
ENSEMBLE POMPE AVEC SOUPAPE DE SÉCURITÉ

Publication  
**EP 2220371 A1 20100825 (DE)**

Application  
**EP 07846798 A 20071123**

Priority  
EP 2007010198 W 20071123

Abstract (en)  
[origin: WO2009065427A1] A pump arrangement comprises a pump (20) having a pump inlet (22) and a pump outlet (24), which are designed to pump a fluid from the pump inlet to the pump outlet, and it further comprises a safety valve (40), which is disposed between the pump outlet (24) and an outlet (48) of the pump arrangement and comprises a valve set (42) and a valve cover (44). The valve seat, the pump outlet, and the pump inlet are structured in a first surface of a first single-piece part (14) of the pump arrangement, while the valve cover is configured in a second single-piece part (12) of the pump arrangement. An inlet (46) of the pump arrangement and a fluid region (50) fluidically connected therewith are configured in a third part (10) of the pump arrangement. The second single-piece part (12) is disposed between the first single-piece part (14) and the third part (10) of the pump arrangement such that a pressure present in the fluid region closes the safety valve, wherein the pump inlet and the inlet of the pump arrangement are fluidically connected.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
See references of WO 2009065427A1

Cited by  
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DOCDB simple family (publication)  
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