

Title (en)  
FLUSHABLE GEAR PUMP

Publication  
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Application  
**EP 82102036 A 19820313**

Priority  
US 24761081 A 19810325

Abstract (en)  
[origin: US4400147A] Flushable rotary gear pumps for delivering fluidic material, such as liquid coating material, may quickly and thoroughly be flushed of material of one type in preparation for delivering material of another type. In one embodiment, a valve selectively establishes a bypass channel between an inlet to and an outlet from a pump, thereby to accommodate a relatively large volume flow of flushing media through the pump and supply and delivery lines therefor. In another embodiment, the valve is structured to monitor fluid pressure developed by the pump and to automatically control and limit the pressure to a maximum value should an overpressure condition develop. In yet other embodiments passages are provided internally of the pump for conveying flushing media to all exposed surfaces of the gears, gear shafts and pump body to flush the same of coating material, whereby the entirety of the pump may readily be cleansed. If desired, the various features may be combined in a single pump.

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CPC (source: EP US)  
**B05B 12/14** (2013.01 - EP US); **F04C 13/005** (2013.01 - EP US)

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