

Title (en)  
PROCESS AND DEVICE FOR MIXING SUSPENSIONS OF SOLID PARTICLES

Publication  
**EP 0320619 A3 19900502 (DE)**

Application  
**EP 88118698 A 19881110**

Priority  
DE 3742466 A 19871215

Abstract (en)  
[origin: JPH024464A] PURPOSE: To make it possible to mix a settled solid component and a suspension, to surely take out a suspended mixture and to repetitively use this mixture by covering a pump space with a bag sleeve in a bottom range and extending this bag sleeve so as to cover the injection head of a conical valve having an inserted filter piece. CONSTITUTION: Ordinary air 15 is admitted through a hole 22 of the pump space 2 into an airtight and pressure resistant vessel housing 10 via a pump piston 1. The bag sleeve 4 is coupled by friction and/or fit to the conical part 9 of the vessel housing 10 in the bottom range 3 on a lower side and it has slits 19 in these parts. These slits 9 are helpful for the inflow of the air 15. The air 15 flows through the slits 19 and flies up the deposits 24 of the solid components 14 from the suspension mixture 16 at the time of rising to the upper part 13 of the vessel and uniformly distributes these solid components 14 to the entire suspension amt. This distribution is carried out as far as the pump process is continuous and is repeated at every pumping up.

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IPC 8 full level  
**B05B 7/04** (2006.01); **B05B 9/04** (2006.01); **B05B 11/06** (2006.01); **B65D 83/14** (2006.01); **B65D 83/36** (2006.01)

CPC (source: EP US)  
**B05B 11/062** (2013.01 - EP US); **B05B 11/065** (2013.01 - EP US)

Citation (search report)  
• [A] US 4492320 A 19850108 - TADA TETSUYA [JP]  
• [A] FR 951847 A 19491104

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DE102006041527A1; US5314096A; WO9114508A1

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