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(57) Abstract :  
 A hydro pneumatic vehicle suspension system consists of two strut assemblies with hydraulic struts that work on at least one hydro pneumatic piston-type accumulator in a hydro pneumatic vehicle suspension system. Among other things, the accumulator comprises a separating piston charged with hydraulic pressure on one side of a storage volume, pneumatic pressure on the other side of the spring chamber, and an additional spring force through a separating piston rod that protrudes from the piston-type accumulator. A pressure medium cylinder works onto the separating piston rod and is connected to at least one pressure accumulator that creates prestress pressure. The pressure medium cylinder's supplemental spring force acts upon the separating piston rod.

No. of Pages : 17 No. of Claims : 3

**FORM 5**  
**THE PATENT ACT, 1970**  
**(39 of 1970)**  
**&**  
**The Patents Rules, 2003**  
**DECLARATION AS TO INVENTORSHIP**  
[See section 10(6) and rule 13(6)]

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I hereby declare that the true and first inventor(s) of the invention disclosed in the specification filed in pursuance of our application

Application no

Title : "SEMI MECHANIZED HOPPER FOR VARYING CONCRETE GRADES"

Dated : 24/08/2022

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Dated this 24<sup>th</sup> day of August, 2022For JAIN INSTITUTE OF TECHNOLOGY, DAVANAGERE  
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**3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY THE APPLICANT(S) IN THE CONVENTION COUNTRY:- N/A**

We the applicant(s) in the convention country hereby declare that our right to apply for a patent in India is by way of assignment from the true and first inventor(s) N/A

**4. STATEMENT :NA**

I assent to the invention referred to in the above declaration, being included in the provisional/complete specification filed in pursuance of the stated application.

Signature : 

Name: DR. GANESH D B

To  
The Controller of Patents,  
The Patent Office at Chennai.