

REMARKS

The claims have been amended to differentiate them from the art cited in the related PCT Search Report and Written Opinion. The CN references show older iterations of what is claimed, and in particular have almost no details of the rebound mechanism. Thus, they do not show “when the falling mass strikes the impact plate, a rebound control assembly is activated to catch the falling mass from striking the strike plate a second time on a rebound.” The CN references lack both this detail and the further details in claims 4, 21, and 22:

4. The system of claim 1, wherein the rebound control assembly comprises a rebound control actuator and a rebound control arm rod, and upon a hall sensor detecting the falling mass striking the strike plate, the hall sensor communicates this contact to a controller that activates the rebound control actuator, which extends the rebound control arm rod to catch the falling mass.
21. The system of claim 1, wherein the rebound control rod engages an impact carriage that is engaged with the impact load.
22. The system of claim 1, wherein the controller activates a 3-way valve that releases air pressure that extends the rebound control arm.

The CN references also do not teach the sensor assembly of claims 6, 7, 9, 10, and 13.

Based on the above, the undersigned requests a notice of allowance.

Sincerely,

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