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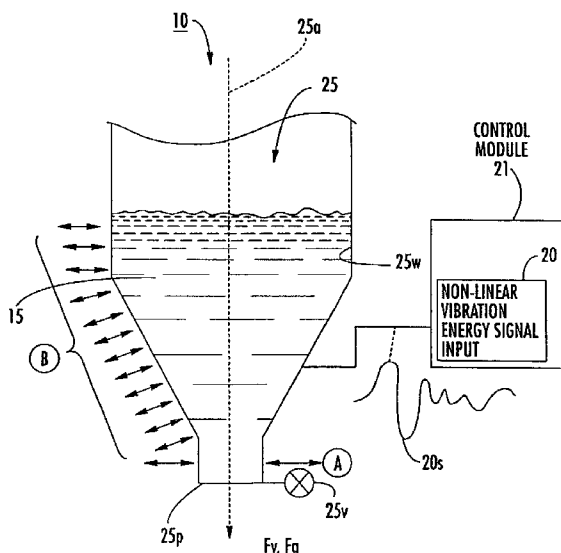
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(54) Title: DRY POWDER DOSE FILLING SYSTEMS AND RELATED METHODS



(57) Abstract: Methods for flowably dispensing dry powders from a hopper having a dispensing port and a dry powder flow path can include: (a) generating a first non-linear vibration input signal, the first non-linear input signal comprising a plurality of different selected frequencies that correspond to a first dry powder formulation; (b) applying the first non-linear vibration input signal to a dispensing hopper having at least one dispensing port while the first dry powder formulation is flowing therethrough; and (c) dispensing a first metered quantity of the first dry powder through the dispensing port to a receiving member. Related devices and computer program products for dispensing dry powders are also described.

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