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(71) Applicant (for all designated States except US): **HIBAR SYSTEMS LTD.** [CA/CA]; 35 Pollard Street, Richmond Hill, Ontario L4B 1A8 (CA).

## (72) Inventors; and

(75) Inventors/Applicants (for US only): **WAGNER, Helmut** [CA/CA]; 16 Heirloom Street, Richmond Hill, ON L4E 4X7 (CA). **RESCHKE, Bill** [CA/CA]; 20 Hirst Ave., Keswick, ON L4P 4E6 (CA).

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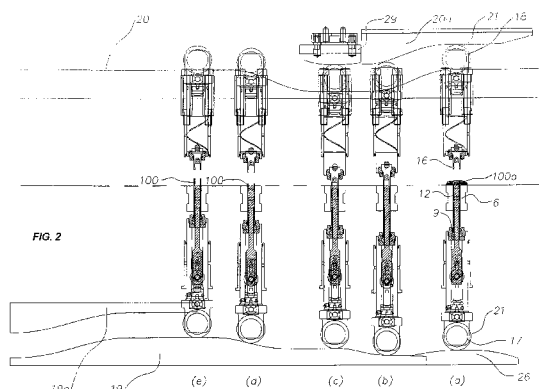
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(54) Title: ROTARY PELLET PRESS



(57) Abstract: A rotary pellet press having an upper turret, a die turret and a lower turret, these turrets are guided for rotational movement around a common axis, a plurality of press tool assemblies, guided in axial direction and attached to the turrets so as to be evenly spaced in angular direction, and each press tool assembly comprises: - an upper press tool assembly guided in the upper turret, - a die guided in the die turret, and - a lower press tool assembly guided in the lower turret, wherein the pellet press further comprises: - a stationary upper cam arranged above the upper turret with a cam path defining the axial movement of the upper tool assemblies, and - a stationary lower cam arranged under the lower turret with a cam path defining the axial movement of the lower tool assemblies, the upper and lower cams define discrete angular sections where (a) filling, (b) pre-pressing, (c) final pressing, (d) pellet ejection and (e) pellet ejection complete operations are carried out, - a load cam assembly having a lower end that holds a load cam which is angularly arranged in the final pressing section above the upper press tool assembly and in that section it replaces the upper cam, the load cam is guided in axial direction and the load cam assembly generates and exerts a required axial pressure on the load cam and on the upper press tool assembly when being moved underneath, each of the upper press tool assemblies comprises at least one cam follower rolling along the cam path of the upper cam and of the load cam in the final pressing section, and each of the lower press tool assemblies comprises at least one cam follower rolling along the cam path of the lower cam.

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