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(54) Title: SYSTEM AND METHOD FOR PROCESSING EXTRUSION DATA DURING AN EXTRUSION PROCESS

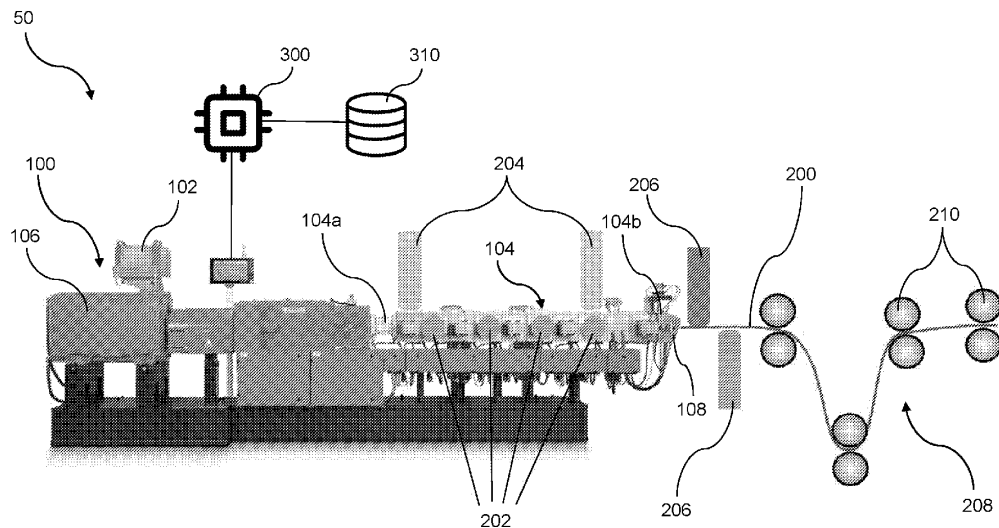


Figure 1

(57) Abstract: The present disclosure generally relates to a system (50) and method for processing extrusion data during an extrusion process performed by an extruder (100) under predefined extrusion parameters. The system (50) comprises: a set of pre-extrusion instruments (202, 204) for measuring, during the extrusion process, pre-extrusion properties of an extrudate (200) within the extruder (100); a set of post-extrusion instruments (206, 208) for measuring, during the extrusion process, post-extrusion properties of the extrudate (200) after exiting the extruder (100); and a processor (300) for collecting the extrusion data comprising the extrusion parameters and the measured pre-extrusion and post-extrusion properties of the extrudate (200), wherein the processor (300) is configured for building a materials database (310) using the extrusion data.

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