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(71) Applicant: AMGEN INC. [US/US]; One Amgen Center Drive, Thousand Oaks, CA 91320-1799 (US).

(72) Inventors: BANNON, Simon, J.; C/o Amgen Inc., One Amgen Center Drive, Mail Stop 28-5-A, Thousand Oaks, CA 91320-1799 (US). AMLANI, Ankur, Mukesh; C/o Amgen Inc., One Amgen Center Drive, Mail Stop 28-5-A, Thousand Oaks, CA 91320-1799 (US). KEATING, Patrick, Rory Luce; C/o Amgen Inc., One Amgen Center Drive, Mail Stop 28-5-A, Thousand Oaks, CA 91320-1799 (US).

(74) Agent: BATEMAN, Andrew, W.; MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, 6300 Willis Tower, Chicago, IL 60606-6357 (US).

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(54) Title: SYSTEMS AND METHODS FOR REDUCING EXCESS RESOURCE USAGE

(57) Abstract: Systems, methods, and computer-readable medium storing instructions for characterizing a recipe of a production system for producing a product include receiving (a) specification limits of a product parameter of the product, (b) resource allocation input information, and (c) historical product information, generating a model that models a relationship between each of a respective proposed target value and both (a) resource allocation impact information and (b) process capability impact information, and displaying or storing the model. In some aspects, displaying the model includes displaying a relationship between each of the respective proposed target values and both (a) resource allocation impact information, and (b) process capability impact information. Further aspects include causing the production system to operate using a selected target value.

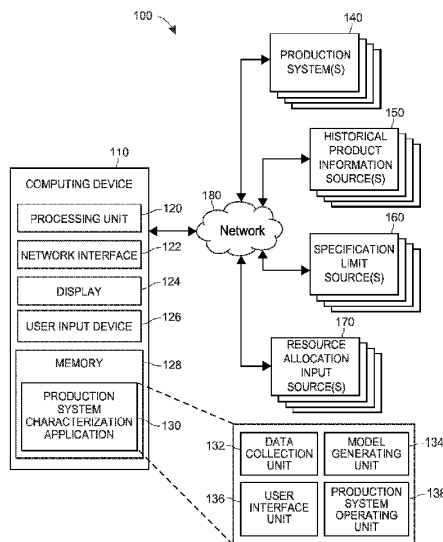


FIG. 1

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