



US012260371B2

(12) **United States Patent**
Geislinger et al.

(10) **Patent No.:** **US 12,260,371 B2**

(45) **Date of Patent:** **Mar. 25, 2025**

(54) **SYSTEM AND METHOD FOR DETERMINING A DUMP LOCATION FOR A VEHICLE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 323 days.

(21) Appl. No.: **17/850,895**

(22) Filed: **Jun. 27, 2022**

(65) **Prior Publication Data**

US 2023/0419249 A1 Dec. 28, 2023

(51) **Int. Cl.**
G06Q 10/0631 (2023.01)
G06Q 10/0639 (2023.01)
(Continued)

(52) **U.S. Cl.**
CPC **G06Q 10/087** (2013.01); **G06Q 10/06315** (2013.01); **G06Q 10/0639** (2013.01); **G06Q 50/02** (2013.01)

(58) **Field of Classification Search**
CPC .. G06Q 10/06; G06Q 10/063; G06Q 10/0631; G06Q 10/06315; G06Q 10/0639; G06Q 50/02

See application file for complete search history.

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(57) **ABSTRACT**

The method may comprise receiving historical data (e.g., mineralogy data, irrigation data, raffinate data, heat data, lift height data, geographic data on ore placement and/or blower data); training a predictive model using the historical data to create a trained predictive model; adding future assumption data to the trained predictive model; running the forecast engine for a plurality of parameters to obtain forecast data for a mining production target; comparing the forecast data for the mining production target to the actual data for the mining production target; determining deviations between the forecast data and the actual data, based on the comparing; and changing each of the plurality of parameters from

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