



US012106247B2

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

(10) **Patent No.:** **US 12,106,247 B2**  
(45) **Date of Patent:** **Oct. 1, 2024**

(54) **SYSTEM AND METHOD FOR DETERMINING ESTIMATED REMAINING MINERAL IN A STOCKPILE**

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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 221 days.

(21) Appl. No.: **17/850,864**

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

(65) **Prior Publication Data**  
US 2023/0419226 A1 Dec. 28, 2023

(51) **Int. Cl.**  
**G01N 33/24** (2006.01)  
**C22B 15/00** (2006.01)  
(Continued)

(52) **U.S. Cl.**  
CPC ... **G06Q 10/06375** (2013.01); **C22B 15/0065** (2013.01); **G01N 33/24** (2013.01); **G06Q 50/02** (2013.01)

(58) **Field of Classification Search**  
CPC ..... **G06Q 10/06375**; **G06Q 50/02**; **C22B 15/0065**; **G01N 33/24**; **G01N 2223/616**;  
(Continued)

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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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