



US012288170B2

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

(10) **Patent No.:** **US 12,288,170 B2**

(45) **Date of Patent:** **Apr. 29, 2025**

(54) **IRRIGATION IMPACTS ON A LEACH 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 0 days.

(21) Appl. No.: **18/804,441**

(22) Filed: **Aug. 14, 2024**

(65) **Prior Publication Data**

US 2024/0403737 A1 Dec. 5, 2024

Related U.S. Application Data

(63) Continuation of application No. 18/485,143, filed on Oct. 11, 2023, now Pat. No. 12,099,942, which is a (Continued)

(51) **Int. Cl.**
C22B 15/00 (2006.01)
C22B 3/06 (2006.01)

(Continued)

(52) **U.S. Cl.**
CPC **G06Q 10/04** (2013.01); **C22B 3/06** (2013.01); **C22B 15/0067** (2013.01); (Continued)

(58) **Field of Classification Search**

CPC G06Q 10/04; G06Q 10/0631; G06Q 10/06; G06Q 10/08; G06Q 50/02;

(Continued)

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ABSTRACT

The system may include a secondary irrigation feature that determines a percent of overlap of each of a plurality of submodules in a second lift over each of a plurality of submodules in a first lift and adjusts at least one of leaching operations or a leaching model based on the total tonnage weighted average of metal in the second lift. The method may further comprise determining an acid gap based on a difference between total acid given and total acid consumption; and further adjusting at least one of the leaching operations or the leaching model based on the acid gap. The method may further comprise determining a percentage of compacted material based on the material that is compacted and irrigated divided by the material that is irrigated; and

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