

SYSTEM AND METHOD FOR BLASTING PARAMETER SELECTION

Abstract

Embodiments of the invention provide a system and method for blasting parameter selection. The system comprises an image calibration module configured to calibrate an image of a work surface of the blasting operation which is captured by a camera and includes a plurality of blasting spots, based on a plurality of calibration parameters of the camera; a cutting power model determination module configured to ascertain the cutting power model based on at least two blasting spots in the calibrated image by using a standard linear least square method; and a blasting parameter selection module configured to select a blasting gun speed to be used in the blasting operation based on the ascertained blasting power model and an upper limit value of the blasting gun speed.

(Figure 1)