

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934

(Amendment No. 1)*

Cipher Mining Inc.
(formerly known as Good Works Acquisition Corp.)

(Name of Issuer)

Common Stock, par value \$0.001 per share

(Title of Class of Securities)

17253J106

(CUSIP Number)

December 31, 2021

(Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

(Page 1 of 7 Pages)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1	NAMES OF REPORTING PERSONS Highbridge Capital Management, LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION State of Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 1,562,693 shares of Common Stock issuable upon exercise of warrants
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 1,562,693 shares of Common Stock issuable upon exercise of warrants
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 1,562,693 shares of Common Stock issuable upon exercise of warrants	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.63%	
12	TYPE OF REPORTING PERSON IA, OO	

1	NAMES OF REPORTING PERSONS Highbridge Tactical Credit Master Fund, L.P.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION State of Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5	SOLE VOTING POWER 0
	6	SHARED VOTING POWER 685,507 shares of Common Stock issuable upon exercise of warrants
	7	SOLE DISPOSITIVE POWER 0
	8	SHARED DISPOSITIVE POWER 685,507 shares of Common Stock issuable upon exercise of warrants
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 685,507 shares of Common Stock issuable upon exercise of warrants	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.28%	
12	TYPE OF REPORTING PERSON PN	

Item 1(a). NAME OF ISSUER:

The name of the issuer is Cipher Mining Inc. (formerly known as Good Works Acquisition Corp.) (the "Company").

Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:

The Company's principal executive offices are located at 222 Purchase Street, Suite #290 Rye, New York 10580.

Item 2(a). NAME OF PERSON FILING:**Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:****Item 2(c). CITIZENSHIP:**

This statement is filed by:

- (i) Highbridge Capital Management, LLC
277 Park Avenue, 23rd Floor
New York, New York 10172
Citizenship: State of Delaware
- (ii) Highbridge Tactical Credit Master Fund, L.P.
277 Park Avenue, 23rd Floor
New York, New York 10172
Citizenship: State of Delaware

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons."

Item 2(d). TITLE OF CLASS OF SECURITIES:

Common Stock, par value \$0.001 per share (the "Common Stock").

Item 2(e). CUSIP NUMBER:

17253J106

Item 3. IF THIS STATEMENT IS FILED PURSUANT TO RULES 13d-1(b) OR 13d-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A:

- (a) Broker or dealer registered under Section 15 of the Act,
- (b) Bank as defined in Section 3(a)(6) of the Act,
- (c) Insurance Company as defined in Section 3(a)(19) of the Act,
- (d) Investment Company registered under Section 8 of the Investment Company Act of 1940,

- (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) Employee Benefit Plan or Endowment Fund in accordance with Rule 13d-1(b)(1)(ii)(F),
- (g) Parent Holding Company or control person in accordance with Rule 13d-1(b)(1)(ii)(G),
- (h) Savings Association as defined in Section 3(b) of the Federal Deposit Insurance Act,
- (i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (j) A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J);
- (k) Group, in accordance with Rule 13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution: _____

Item 4.**OWNERSHIP.****(a) Amount beneficially owned:**

As of December 31, 2021, (i) Highbridge Capital Management, LLC, as the trading manager of Highbridge Tactical Credit Master Fund, L.P. and Highbridge SPAC Opportunity Fund, L.P. (collectively, the “Highbridge Funds”), may be deemed to be the beneficial owner of the 1,562,693 shares of Common Stock issuable upon exercise of warrants held by the Highbridge Funds and (ii) Highbridge Tactical Credit Master Fund, L.P. may be deemed to be the beneficial owner of the 685,507 shares of Common Stock issuable upon exercise of warrants held by it.

(b) Percent of class:

The percentages used herein and in the rest of this Schedule 13G/A are calculated based upon 246,381,119 shares of Common Stock reported to be outstanding as of November 8, 2021, as reported in the Company’s Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2021 filed with the Securities and Exchange Commission on November 12, 2021, and assumes the exercise of the warrants reported herein. Therefore, as of December 31, 2021, (i) Highbridge Capital Management, LLC may be deemed to beneficially own approximately 0.63% of the outstanding shares of Common Stock and (ii) Highbridge Tactical Credit Master Fund, L.P. may be deemed to beneficially own approximately 0.28% of the outstanding shares of Common Stock.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of the shares of Common Stock issuable upon exercise of the warrants held by the Highbridge Funds.

(c) Number of shares as to which such person has:

(i) Sole power to vote or to direct the vote

0

(ii) Shared power to vote or to direct the vote

See Item 4(a)

(iii) Sole power to dispose or to direct the disposition of

0

(iv) Shared power to dispose or to direct the disposition of

See Item 4(a)

Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following:

Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

See Item 4.

Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not applicable.

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

Not applicable.

Item 9. NOTICE OF DISSOLUTION OF GROUP.

Not applicable.

Item 10. CERTIFICATION.

Each Reporting Person hereby makes the following certification:

By signing below the Reporting Person certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

