

UNITED STATES PATENT OFFICE.

ALFRED BOGISCH, OF FEUERBACH, GERMANY, ASSIGNOR TO J. HAUFF & CO., GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF SAME PLACE.

PHOTOGRAPHIC DEVELOPER AND PROCESS OF DEVELOPING.

SPECIFICATION forming part of Letters Patent No. 615,792, dated December 13, 1898.

Application filed July 20, 1898. Serial No. 686,406. (No specimens.)

To all whom it may concern:

Be it known that I, ALFRED BOGISCH, doctor of philosophy, a citizen of the German Empire, residing at Feuerbach, near Stuttgart, in the Kingdom of Württemberg and Empire of Germany, have invented certain new and useful Improvements in Processes of Developing Photographic Images, of which the following is a specification.

10 The halogen substitution products of ortho and para dioxybenzenes (for instance, chlor-
hydroquinone of the constitution $\text{C}_6\text{H}_3\text{OH}_4$)
OH.1
Cl.2
15 are distinguished by the fact that they develop quickly and very powerfully and are only in the slightest degree affected by the temperature. They are thus capable of excellent service in instantaneous photography
20 and in the studio or laboratory. These halogen substitution products are used according to the following example: water, one hundred cubic centimeters; monochlorhydroquinone, one gram; crystallized sodium sulfite,

eight grams; potassium carbonate or dry sodium carbonate, four grams; potassium bromid, 1:10, ten to twenty drops.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The process herein described of developing the photographic image on sensitized plates, which consists in subjecting the sensitized plates to the action of a solution of the halogen substitution products of dioxybenzenes, substantially as set forth.

2. A developing solution for photographic negatives, composed of an alkaline, aqueous solution of the halogen substitution products of dioxybenzenes, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

ALFRED BOGISCH.

Witnesses:

ERNST DIETRICH,
WM. HAHN.