

## Patent Protection & Registration

[Patents](#) grant property rights on new and useful inventions, allowing the patent holder to prevent others from using, making, or selling that invention without permission for a limited time. U.S. patents are permitted by the U.S. Constitution and are designed to promote scientific progress and invention. By allowing inventors to profit from licensing or selling their patent rights, inventors can recoup their research and development costs and benefit financially from their inventing efforts. There are three main types of patents utility, plant, and design. Utility and plant patents can last up to 20 years, while design patents can last up to 14 years. When a patent expires, the patented material enters the public domain, making it free to use by anyone without a license. U.S. patents are issued by the United States Patent and Trademark Office (USPTO).

[U.S. Patent No. 11,242,003](#) entitled “System Comprising Construction Machine, Transport Vehicle with Loading Space and Image-Recording Device, and Method for Displaying an Image Stream During the Loading or Unloading of a Transport Vehicle” issued February 1, 2022 to Wirtgen GmbH of Windhagen, Germany. Invented by Helmut Borkowski of Langerwehe, Germany. Abstract: In a system (1) comprising construction machine (2), transport vehicle (3) with loading space (4) and image-recording device (5, 36), wherein the image-recording device (5, 36) is arranged at the construction machine (2) and aligned, as a minimum, also towards the loading space (4) of the transport vehicle (3), it is specified for the following features to be achieved: that a reception and display device (18) is arranged at or in the transport vehicle (3), wherein the data recorded by the image-recording device (5, 36) are transmitted to the reception and display device (18) by means of a transmission device (46) arranged at the construction machine (2).,

[U.S. Patent No. D942,787](#) entitled “Shelf Stop Wall” issued February 8, 2022 to Nashville Wire Products Manufacturing Company, LLC of Nashville, Tennessee. Invented by Phillip Kent Rollins of Nashville, Tennessee and Randall Louis Berg of Murfreesboro, Tennessee. Claim: The ornamental design for a shelf stop wall, as shown and described.

[U.S. Patent No. 11,242,993](#) entitled “Nozzle, Burner, Combustor, Gas Turbine, and Gas Turbine System” to Mitsubishi Power, Ltd. of Kanagawa, Japan. Invented by Kei Inoue of Tokyo, Japan; Satoshi Takiguchi of Tokyo, Japan; Shinji Akamatsu of Yokohama, Japan; Kenta Taniguchi of Yokohama, Japan and Naoki Abe of Yokohama, Japan. Abstract: A combustor provided with: a nozzle having formed therein an air jet section that causes air to be jetted from a nozzle section; a cylindrical part covering the nozzle from the outer peripheral side thereof and forming an air flow path between the cylindrical part and the nozzle; and a pressure loss section provided to the air flow path. The pressure loss section causes a loss of pressure in the air that flows through the air flow path. The nozzle is provided with: at least one air inlet section that takes in air from an outer peripheral surface that is an upstream side from the pressure loss section; and a flow



path-forming section forming a discharge air flow path that guides air that is taken in from the at least one air inlet section to the air jet section.

[U.S. Patent No. 11,242,836](#) entitled "Apparatuses, Systems, and Methods for Providing Power Generation" issued February 8, 2022 to BGH Designs, LLC. Invented by Barry G. Heald of Steamboat Springs, Colorado; Gerard Roberts of Steamboat Springs, Colorado; T.M. Hunt of Houston, Texas. Abstract: Apparatuses, systems, and methods are provided for generating power. A pipe having an input flow is coupleable to an input section configured to receive at least a portion of the input flow. A generation section is coupleable to the input section and includes a pipe section to carry the at least a portion of the input flow, a turbine coupleable to the pipe section and configured to capture energy from the at least a portion of input flow carried by the pipe section, and a generator coupleable to the turbine and configured to generate power from the energy captured by the turbine. An output section is coupleable to the pipe and configured to provide output of the generation section to the pipe.