

Title (en)
Pressure stabilisation method

Title (de)
Verfahren zur Druckstabilisierung

Title (fr)
Procédé de stabilisation de pression

Publication
EP 2644718 A1 20131002 (DE)

Application
EP 12161385 A 20120327

Priority
EP 12161385 A 20120327

Abstract (en)
The method comprises supplying water from a water reservoir (3) to a cooling section (1) using a pipeline, which is filled with water, providing a pressure container (4), which is partly filled with air and partly with water, providing a direct connection for a direct exchange of water between the pressure container and the pipeline, pressing out water from the pressure container directly into the pipeline through the provided connection in the event that the water pressure in the pipeline drops, and adjusting the amount of air in the pressure container. The method comprises supplying water from a water reservoir (3) to a cooling section (1) using a pipeline, which is filled with water, providing a pressure container (4), which is partly filled with air and partly with water, providing a direct connection for a direct exchange of water between the pressure container and the pipeline, pressing out water from the pressure container directly into the pipeline through the provided connection in the event that the water pressure in the pipeline drops, adjusting the amount of air in the pressure container, and throttling and shutting off the connection between the pressure container and the pipe, where a water filling level in the container falls below a predetermined threshold value. The filling level in the pressure container is measured. The pressure in the pressure container is measured. The water pressure in the pipe is measured. An independent claim is included for a water supply system.

Abstract (de)
Die Erfindung betrifft ein Verfahren zur Druckstabilisierung der Wasserversorgung einer Kühlstrecke (1). Die Kühlstrecke (1) wird durch eine mit Wasser gefüllte Rohrleitung (2) mit Wasser aus einem Wasserreservoir (3) versorgt. Es wird ein teilweise mit Luft (4a) und teilweise mit Wasser (4w) gefüllter Druckbehälter (4) bereit gestellt. Außerdem wird eine Verbindung (5) zum Austausch von Wasser zwischen dem Druckbehälter (4) und der Rohrleitung (2) bereit gestellt. Bei einem Absinken des Wasserdrucks in der Rohrleitung (2) wird Wasser aus dem Druckbehälter (4) durch die bereitgestellte Verbindung (5) in die Rohrleitung (2) gedrückt.

IPC 8 full level
C21D 11/00 (2006.01); **B21B 37/76** (2006.01); **B21B 45/02** (2006.01); **C21D 1/667** (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP US)
B21B 45/0218 (2013.01 - EP US); **C21D 9/5735** (2013.01 - EP US); **C21D 11/005** (2013.01 - EP US); **F17D 1/12** (2013.01 - US); **C21D 1/667** (2013.01 - EP US); **Y10T 137/0396** (2015.04 - EP US); **Y10T 137/2937** (2015.04 - EP US)

Citation (applicant)
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DOCDB simple family (application)
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