

Title (en)
TRAIN WATER SUPPLY APPARATUS AND CONTROL METHOD THEREFOR

Title (de)
ZUGWASSERVERSORGUNGSVORRICHTUNG UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)
APPAREIL D'ALIMENTATION EN EAU POUR TRAIN ET SON PROCÉDÉ DE COMMANDE

Publication
EP 3064655 A1 20160907 (EN)

Application
EP 13896769 A 20131129

Priority

- CN 201310516769 A 20131028
- CN 201320670124 U 20131028
- CN 2013001472 W 20131129

Abstract (en)
The present invention discloses a train water supply device and a control method thereof. The train water supply device includes a clear water tank, a water tank I, a water tank II, an ejector, a connecting pipeline and valve elements, wherein the water tank I is connected with the clear water tank and the water tank II through a water suction pipeline and an intermediate pipeline respectively, the water tank II is connected with a water consumption appliance through a water supply pipeline, an upper part of the water tank I is connected with a vacuumizing opening of the ejector and an air source of a train through a vacuumizing pipeline and a vacuumizing air supply pipeline I respectively; the upper part of the water tank II is connected with the atmosphere and the air source of the train through an exhaust pipeline I and a water supply and air supply pipeline II respectively; the water tank I is provided with a liquid level switch I and a liquid level switch II from top to bottom, and the water tank II is provided with a liquid level switch III, a liquid level switch IV and a liquid level switch V from top to bottom; and the train water supply device can continuously supply water, is reliable in operation and low in maintenance cost, has no special pressure bearing requirements on the clear water tank, and can be installed at the bottom of the train according to demand.

IPC 8 full level
E03B 1/02 (2006.01); **B61D 35/00** (2006.01)

CPC (source: EP)
B61D 35/00 (2013.01); **E03F 1/006** (2013.01)

Cited by
CN106968291A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3064655 A1 20160907; **EP 3064655 A4 20161228**; **EP 3064655 B1 20180912**; WO 2015061929 A1 20150507

DOCDB simple family (application)
EP 13896769 A 20131129; CN 2013001472 W 20131129