

Title (en)

METHOD AND APPARATUS FOR LIMITING ACIDIC CORROSION AND CONTAMINATION IN FUEL DELIVERY SYSTEMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEGRENZUNG VON SAURER KORROSION UND KONTAMINATION IN KRAFTSTOFFABGABESYSTEMEN

Title (fr)

PROCÉDÉ ET APPAREIL POUR LIMITER LA CORROSION ACIDE ET LA CONTAMINATION DANS DES SYSTÈMES DE DISTRIBUTION DE CARBURANT

Publication

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Application

EP 19768988 A 20190830

Priority

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Abstract (en)

[origin: WO2020180348A1] A method and apparatus are provided for filtration of fuel contained in a storage tank, in which activation of a fuel dispensation pump concurrently activates a filtration system. In particular, a portion of pressurized fuel delivered by the dispensation pump is diverted to an eductor designed to create a vacuum by the venturi effect. This vacuum draws fluid from the bottom of the storage tank, at a point lower than the intake for the dispensation pump so that any water or particulate matter at the bottom of the storage tank is delivered to the eductor before it can reach the dispensation pump intake. The eductor delivers a mix of the diverted fuel and the tank-bottom fluid to a filter, where any entrained particulate matter or water is filtered out and removed from the product stream. Clean, filtered fuel is then delivered back to the storage tank.

IPC 8 full level

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