

Title (en)

WATER INJECTION SYSTEM, AND METHOD FOR OPERATING A WATER INJECTION SYSTEM

Title (de)

WASSEREINSPRITZSYSTEM SOWIE VERFAHREN ZUM BETREIBEN EINES WASSEREINSPRITZSYSTEMS

Title (fr)

SYSTÈME D'INJECTION D'EAU ET PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME D'INJECTION D'EAU

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Abstract (en)

[origin: WO2020064495A1] The invention relates to a water injection system for an internal combustion engine (1) having a plurality of cylinders (2), said water injection system comprising a water tank (3), a pump (4), and a rail (5) to which at least one injection valve (6) for injecting water into a suction tube (7) of the internal combustion engine (1) is connected. According to the invention, the cylinders (2) are arranged in banks, the internal combustion engine (1) having at least one first bank (8) and one second bank (9) and each bank (8, 9) being assigned a rail (5, 10) having in each case at least one injection valve (6, 11). The invention also relates to a method for operating a water injection system.

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