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 (56) Cited documents: US 20100193415 A1
 (57) Abstract:

The invention relates to a fuel system for an internal combustion engine (2), comprising a first fuel tank (14), a first fuel pump (16), a first fuel filter (18) and a second fuel filter (20). A first fuel pipe (22) is arranged in fluid connection with the first fuel tank (14) and the first fuel filter (18), a second fuel pipe (24) is arranged in fluid connection with the first fuel filter (18) and the first fuel pump (16), a third fuel pipe (26) is arranged in fluid connection with the first fuel pump (16) and the second fuel filter (20), and a fourth fuel pipe (28) is arranged in fluid connection with the second fuel filter (20) and a high-pressure circuit of the fuel system (10). A bypass valve (30) is arranged to allow fuel to bypass the first fuel filter (18) via a bypass pipe (32) arranged in fluid connection with the first fuel pipe (22) and the second fuel pipe (24), wherein the bypass valve (30) is adapted to be controlled based on the supply pressure downstream of the first fuel pump (16).

