

Title (en)

DEVICE AND METHOD FOR CONTROLLING PRESSURE IN STORAGE INJECTION SYSTEMS WITH AN ELECTROMAGNETICALLY
ACTUATED PRESSURE CONTROL MEMBER

Title (de)

VORRICHTUNG UND VERFAHREN ZUM DRUCKREGELN IN SPEICHEREINSPRITZSYSTEMEN MIT EINEM ELEKTROMAGNETISCH
BETÄTIGTEN DRUCKSTELLGLIED

Title (fr)

PROCEDE ET DISPOSITIF DE REGULATION DE LA PRESSION DANS DES SYSTEMES D'INJECTION A ACCUMULATION AVEC UN
ELEMENT D'AJUSTEMENT DE LA PRESSION

Publication

EP 0970304 A1 20000112 (DE)

Application

EP 99907265 A 19990121

Priority

- DE 9900147 W 19990121
- DE 19802583 A 19980123

Abstract (en)

[origin: DE19802583A1] The invention relates to a storage injection system which has a pressure control member (16) with a shut-off body (163) which is actuated by an electromagnetic drive mechanism (165, 167). The pressure is regulated by means of a cascade connection of two control systems. The first control system (191) determines a triggering signal with a desired current value for the electromagnetic drive mechanism and the second control system (192) adapts the current value detected in the electromagnetic drive mechanism to said predetermined desired current value.

IPC 1-7

F02D 41/38

IPC 8 full level

F02D 41/20 (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)

F02D 41/20 (2013.01 - EP US); **F02D 41/3863** (2013.01 - EP US); **F02D 2041/1409** (2013.01 - EP US); **F02D 2041/1419** (2013.01 - EP US);
F02D 2041/2058 (2013.01 - EP US); **F02D 2200/0602** (2013.01 - EP US); **F02D 2250/31** (2013.01 - EP US)

Citation (search report)

See references of WO 9937903A1

Cited by

WO2012143352A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19802583 A1 19990805; **DE 19802583 C2 20020131**; DE 59903717 D1 20030123; EP 0970304 A1 20000112; EP 0970304 B1 20021211;
US 6119655 A 20000919; WO 9937903 A1 19990729

DOCDB simple family (application)

DE 19802583 A 19980123; DE 59903717 T 19990121; DE 9900147 W 19990121; EP 99907265 A 19990121; US 40449399 A 19990923