

Title (en)  
INJECTION APPARATUS AND METHOD

Title (de)  
INJEKTIONSVORRICHTUNG UND -VERFAHREN

Title (fr)  
APPAREIL ET PROCÉDÉ D'INJECTION

Publication  
**EP 4260020 A1 20231018 (EN)**

Application  
**EP 20824519 A 20201210**

Priority  
EP 2020085549 W 20201210

Abstract (en)  
[origin: WO2022122160A1] An injection apparatus for injecting an injection medium into a flowline comprises a housing and a piston mounted in the housing and defining a moving barrier between first and second chambers within the housing, wherein the first chamber is for containing an injection medium and the second chamber is for containing a pressurised driving gas. A selectively openable injection outlet is provided in communication with the first chamber, wherein the injection outlet is connectable to the flowline. In use, the injection apparatus is external to the flowline, and when the injection outlet is opened pressurised driving gas in the second chamber is permitted to expand and drive the piston member in a direction to reduce the volume of the first chamber and eject injection medium therefrom via the injection outlet and into a connected flowline.

IPC 8 full level  
**G01F 11/06** (2006.01); **E21B 33/035** (2006.01)

CPC (source: EP)  
**E21B 47/107** (2020.05); **G01F 11/06** (2013.01)

Citation (search report)  
See references of WO 2022122160A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022122160 A1 20220616**; EP 4260020 A1 20231018

DOCDB simple family (application)  
**EP 2020085549 W 20201210**; EP 20824519 A 20201210