

Title (en)
INJECTION FLUID QUANTIFICATION

Title (de)
QUANTIFIZIERUNG VON INJEKTIONSFLÜSSIGKEIT

Title (fr)
QUANTIFICATION DE FLUIDE D'INJECTION

Publication
EP 4070324 A1 20221012 (EN)

Application
EP 19839183 A 20191206

Priority
US 2019065034 W 20191206

Abstract (en)
[origin: WO2021112880A1] Methods and systems may quantify how much contrast fluid is injected into a patient by a powered fluid injector. A controller of the powered fluid injector can receive a command from a user to begin dispensing contrast fluid. The controller may determine whether a hemodynamic pressure signal is present from a pressure sensor in fluidic connection with the vasculature of the patient. The powered fluid injector may dispense a quantity of contrast fluid in response to the command. The controller may add the quantity of contrast fluid to an injection quantity if the hemodynamic pressure signal is present just prior to and/or just after the quantity of contrast fluid is dispensed. The controller may refrain from adding the quantity of contrast fluid to the injection quantity if the hemodynamic pressure signal is not present just prior to and/or just after the quantity of contrast fluid is dispensed.

IPC 8 full level
G16H 20/17 (2018.01)

CPC (source: EP)
G16H 20/17 (2017.12)

Citation (search report)
See references of WO 2021112880A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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US 2019065034 W 20191206; CN 201980102796 A 20191206; EP 19839183 A 20191206; JP 2022533629 A 20191206