

Title (en)  
ROTATIONAL METERING PUMP FOR INSULIN PATCH

Title (de)  
ROTIERENDE DOSIERPUMPE FÜR INSULINPFLASTER

Title (fr)  
POMPE DE DOSAGE ROTATIVE POUR TIMBRE D'INSULINE

Publication  
**EP 4004368 A4 20230628 (EN)**

Application  
**EP 20843879 A 20200723**

Priority  
• US 2020043266 W 20200723  
• US 201916521685 A 20190725

Abstract (en)  
[origin: WO2021016452A1] A rotary pump for a fluid metering system is provided. The rotary pump reciprocates, and is reversed by a signal from a limit switch that is deflected by an actuator arm on a rotating sleeve of the pump system. The rotary pump includes a plunger and optional stopper formed from a two-shot molding process, and including seals overmolded onto the head of the plunger and the head of the optional stopper.

IPC 8 full level  
**F04B 7/06** (2006.01); **A61M 5/142** (2006.01); **A61M 5/168** (2006.01); **F04B 19/02** (2006.01); **F04B 53/16** (2006.01)

CPC (source: CN EP)  
**A61M 5/14216** (2013.01 - EP); **A61M 5/14248** (2013.01 - CN EP); **A61M 5/1452** (2013.01 - CN); **A61M 5/148** (2013.01 - CN);  
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Citation (search report)  
• No further relevant documents disclosed  
• See references of WO 2021016452A1

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

DOCDB simple family (publication)  
**WO 2021016452 A1 20210128**; CA 3145493 A1 20210128; CN 112295052 A 20210202; CN 212347349 U 20210115; EP 4004368 A1 20220601;  
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