

Title (en)  
HYDROSTATIC PISTON MACHINE

Title (de)  
HYDROSTATISCHE KOLBENMASCHINE

Title (fr)  
MACHINE A PISTON HYDROSTATIQUE

Publication  
**EP 3091230 B1 20210609 (DE)**

Application  
**EP 16164342 A 20160408**

Priority  
DE 102015207440 A 20150423

Abstract (en)  
[origin: CN106065859A] Disclosed is a hydrostatic piston machine with a plurality of multi-stage pistons, which are guided in corresponding cylinders. Each multi-stage piston has a first partial piston and at least one another additional partial piston that is movable relative to the first partial piston at the outer periphery. Each cylinder has a first working chamber and at least one another working chamber spaced therefrom by means of a multi-stage piston. Each of the partial pistons utilizes a working surface to define the working chamber. The first working chamber can be switched on or off by one or two first switching valves, and each another working chamber can be switched on or off by one or another two switching valves. Thus, each partial piston of the multi-stage piston can be activated and deactivated independently of the other partial pistons.

IPC 8 full level  
**F04B 1/04** (2020.01); **F04B 3/00** (2006.01); **F04B 49/16** (2006.01); **F04B 49/18** (2006.01)

CPC (source: CN EP US)  
**F04B 1/0408** (2013.01 - EP); **F04B 1/124** (2013.01 - CN); **F04B 1/143** (2013.01 - CN); **F04B 3/00** (2013.01 - EP); **F04B 49/16** (2013.01 - EP US); **F04B 49/18** (2013.01 - CN EP US)

Cited by  
US11821500B2

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)  
**EP 3091230 A1 20161109; EP 3091230 B1 20210609**; CN 106065859 A 20161102; CN 106065859 B 20200811;  
DE 102015207440 A1 20161027

DOCDB simple family (application)  
**EP 16164342 A 20160408**; CN 201610253235 A 20160422; DE 102015207440 A 20150423