

Title (en)  
CAM PROFILE FOR A HYDROSTATIC RADIAL PISTON MACHINE, AND HYDROSTATIC RADIAL PISTON MACHINE

Title (de)  
NOCKENPROFIL FÜR EINE HYDROSTATISCHE RADIALKOLBENMASCHINE SOWIE HYDROSTATISCHE RADIALKOLBENMASCHINE

Title (fr)  
PROFIL DE CAME POUR MACHINE À PISTONS RADIAUX HYDROSTATIQUES ET MACHINE À PISTONS RADIAUX HYDROSTATIQUES

Publication  
**EP 3489509 A1 20190529 (EN)**

Application  
**EP 17203248 A 20171123**

Priority  
EP 17203248 A 20171123

Abstract (en)  
A cam profile for a hydrostatic radial piston machine comprises lobes arranged in a circumferential direction, each lobe comprising a lobe portion of rising type and a lobe portion of falling type, wherein as the cam profile extends in a circumferential direction, its radial dimension mostly increases in each portion of rising type, and mostly decreases in each portion of falling type; the shapes of at least two lobe portions of the same type are different.

IPC 8 full level  
**F04B 1/04** (2006.01); **F03C 1/047** (2006.01); **F03C 1/053** (2006.01); **F03C 1/30** (2006.01); **F04B 1/047** (2006.01); **F04B 1/053** (2006.01); **F04B 49/12** (2006.01)

CPC (source: EP US)  
**F01B 9/06** (2013.01 - US); **F01B 13/068** (2013.01 - US); **F03C 1/0409** (2013.01 - EP US); **F03C 1/047** (2013.01 - EP US); **F03C 1/053** (2013.01 - EP US); **F04B 1/0413** (2013.01 - EP US); **F04B 1/047** (2013.01 - EP US); **F04B 1/053** (2013.01 - EP US); **F04B 1/063** (2013.01 - EP US); **F04B 49/12** (2013.01 - EP US); **F01B 2009/061** (2013.01 - US)

Citation (search report)

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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

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**EP 3489509 A1 20190529**; CN 109826669 A 20190531; US 2019153865 A1 20190523

DOCDB simple family (application)  
**EP 17203248 A 20171123**; CN 201811398417 A 20181122; US 201816196382 A 20181120