

Title (en)
SEALING CUP

Publication
EP 0000517 B1 19810513 (EN)

Application
EP 78100392 A 19780713

Priority
JP 9501177 U 19770715

Abstract (en)
[origin: US4189160A] A sealing cup to be used for a hydraulic piston-cylinder device the cup having an outer lip with a leading edge adapted to slide along a wall when fitted in the device. The angle α of the leading edge with respect to the cylinder axis is made smaller than the angle of a portion other than the leading edge with respect thereto, and is made as $1 \text{ DEG} \leq \alpha \leq 15 \text{ DEG}$ in the free condition of the cup. When the sealing cup is installed to be slid in the cylinder, a wedge-shaped clearance is formed between the leading edge and the cylinder wall due to provision of the angle α , thereby admitting the fluid therein to decrease the slide resistance of the sealing cup.

IPC 1-7
F16J 15/32

IPC 8 full level
B60T 11/16 (2006.01); **B60T 11/236** (2006.01); **F16J 15/32** (2016.01); **F16J 15/3236** (2016.01)

CPC (source: EP US)
F16J 15/324 (2013.01 - EP US)

Cited by
US5169286A; DE19505012A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0000517 A1 19790207; **EP 0000517 B1 19810513**; DE 2860697 D1 19810820; JP S5421785 U 19790213; JP S5835892 Y2 19830812; US 4189160 A 19800219

DOCDB simple family (application)
EP 78100392 A 19780713; DE 2860697 T 19780713; JP 9501177 U 19770715; US 92483778 A 19780714