

Title (en)

Sealed hydraulic lifting cylinder with internal oil recovery

Title (de)

Versiegelter hydraulischer Abhebezylinder mit interner Ölrückgewinnung

Title (fr)

Cylindre de levage hydraulique scellé avec récupération d'huile interne

Publication

EP 1897845 A1 20080312 (EN)

Application

EP 07012567 A 20070627

Priority

IT PC20060036 A 20060906

Abstract (en)

This invention relates to a lifting cylinder of the sealed type, characterised in that it includes means designed to collect and drain the oil that leaks from the pressurised chamber and collects in chamber (40) between the cylinder and the rod, and convey it to collection systems (11, 28) located inside the cylinder. Moreover, the cylinder according to the invention has a braking system which acts on the last sector of the rod stroke; two different embodiments of the invention are presented in this respect: one with a retracted-rod braking system, and one with an extended-rod braking system.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [X] EP 1197667 A2 20020417 - KAYABA INDUSTRY CO LTD [JP]
- [A] WO 9208899 A1 19920529 - MECMAN AB [SE]
- [A] WO 9014520 A1 19901129 - MECMAN AB [SE]

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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