

Title (en)

BICYCLE FORK SUSPENSION HAVING A SINGLE PRIMARY COMPRESSION SPRING SYSTEM

Title (de)

FAHRRADGABELAUFHÄNGUNG MIT EINEM EINZIGEN PRIMÄRDRUCKFEDERSYSTEM

Title (fr)

SUSPENSION POUR FOURCHE DE BICYCLETTE, DOTÉE D'UN SEUL SYSTÈME À RESSORT DE COMPRESSION PRIMAIRE

Publication

EP 0932545 A1 19990804 (EN)

Application

EP 98931480 A 19980623

Priority

- US 9812987 W 19980623
- US 5270997 P 19970716
- US 8453098 A 19980526

Abstract (en)

[origin: WO9903725A1] A bicycle suspension fork (10) having a primary compression spring assembly (50) positioned in only one of the fork legs (14, 16). A load distributing assembly (52) is positioned in at least one of the fork legs (14, 16) in order to distribute loads transmitted to the fork (10) during a compression stroke. Thus, asymmetrical loading that would occur from the presence of only one compression spring assembly (50) on only one side of the fork is decreased if not completely eliminated. The load distributing assembly (52) preferably is arranged such that it begins load distribution during the last one-half, and most preferably the last one-third of compression stroke travel. A preferred embodiment of the load distributing assembly (52) includes a load distributing spring (80) and a load distributing spring spacer (82).

IPC 1-7

B62K 25/08

IPC 8 full level

B62K 25/08 (2006.01); **F16F 1/04** (2006.01)

CPC (source: EP)

B62K 25/08 (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9903725 A1 19990128; AU 8160198 A 19990210; CA 2266688 A1 19990128; EP 0932545 A1 19990804; EP 0932545 A4 20000510; JP 2001501154 A 20010130; TW 397786 B 20000711

DOCDB simple family (application)

US 9812987 W 19980623; AU 8160198 A 19980623; CA 2266688 A 19980623; EP 98931480 A 19980623; JP 50721999 A 19980623; TW 87111217 A 19980710