Title (en)

Tilt linkage arrangement for an excavator implement

Title (de)

Kippgestängeanordnung für ein Baggerwerkzeug

Title (fr)

Agencement d'articulation pour un outil d'excavatrice

Publication

EP 0758701 B1 20011024 (DE)

Application

EP 96111763 A 19960722

Priority

US 51585195 A 19950816

Abstract (en)

[origin: US5592762A] An excavator linkage comprising a ternary link with first, second and third pivot connections and a follower link with first and second pivot connections. The first pivot connection of the ternary link is pivotally coupled to the rod end of the bucket actuating hydraulic cylinder. The second pivot connection of the ternary link is pivotally coupled to the excavator bucket. In addition, the excavator bucket is pivotally connected to the dipperstick. The follower link has a first pivot connection that is pivotally connected to the dipperstick and a second pivot connection that is pivotally connected to the third pivot connection of the ternary link. In one frame of reference, the third pivot connection of the ternary link is located between the first and second pivot connections of the ternary link. In addition, the third pivot connection of the ternary link lies above a plane defined by the first and second pivot connections of the ternary link. In another frame of reference the second and third pivot connections of the ternary link define a plane below which the first pivot connection is located. Furthermore, the first pivot connection lies above a second plane which is perpendicular to the first plane and intersects the first plane at the third pivot connection.

IPC 1-7

E02F 3/36; E02F 3/30

IPC 8 full level

E02F 3/30 (2006.01); **E02F 3/32** (2006.01); **E02F 3/36** (2006.01); **E02F 3/42** (2006.01); **E02F 3/96** (2006.01)

CPC (source: EP US)

E02F 3/30 (2013.01 - EP US); **E02F 3/306** (2013.01 - EP US); **E02F 3/3604** (2013.01 - EP US); **E02F 3/425** (2013.01 - EP US); **E02F 3/964** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (application)

US 51585195 A 19950816; CA 2175409 A 19960430; DE 59607986 T 19960722; EP 00123817 A 19960722; EP 96111763 A 19960722; JP 21384096 A 19960813; MX 9603420 A 19960815