

Title (en)
MECHANICAL SYSTEM COMPRISING A DEVICE FOR CONNECTION BETWEEN A WEARING PART AND THE SUPPORT THEREOF, HEAVY-CONSTRUCTION MACHINE BUCKET, AND METHOD FOR IMPLEMENTING SAID SYSTEM

Title (de)
MECHANISCHES SYSTEM MIT EINER VORRICHTUNG ZUR VERBINDUNG ZWISCHEN EINEM VERSCHLEISSTEIL UND STÜTZE DAFÜR, SCHAUFEL FÜR TIEFBAUMASCHINE UND VERFAHREN ZUR UMSETZUNG DES SYSTEMS

Title (fr)
SYSTÈME MÉCANIQUE COMPRENANT UN DISPOSITIF DE LIAISON ENTRE UNE PIÈCE D'USURE ET SON SUPPORT, GODET D'ENGIN DE TRAVAUX PUBLICS ET PROCÉDÉ DE MISE EN OEUVRE D'UN TEL SYSTÈME

Publication
EP 2751351 A1 20140709 (FR)

Application
EP 12756426 A 20120831

Priority
• FR 1157732 A 20110901
• EP 2012066960 W 20120831

Abstract (en)
[origin: WO2013030335A1] The invention relates to a mechanical system (1) comprising a support (10), a tooth (20) and a device (30) for interconnecting said two components. The device (30) comprises an elastic sheath (40) provided with an inner cavity (48) and an outer wall (44) that is adjustable in a housing (14) of the support (10), and a key (50) that is adjustable in the cavity (48) of the sheath (40). The sheath (40) and the key (50) can be rotated together in a fixed manner about a pivoting axis in the housing (14), between an insertion configuration and a locking configuration, thereby forming a coupling connection between the tooth (20) and the support (10). The inner cavity (48) extends into the sheath (40) along an eccentric axis that is radically staggered in relation to the pivoting axis. The inner cavity (48) is provided with elements for rotatably securing to driving elements (59) arranged on the key (50). The invention also relates to a heavy-construction machine bucket (G) comprising such a system (1), and to a method for implementing such a system (1).

IPC 8 full level
E02F 9/28 (2006.01)

CPC (source: EP US)
E02F 9/2825 (2013.01 - EP US); **E02F 9/2833** (2013.01 - US); **E02F 9/2841** (2013.01 - EP US); **Y10T 29/4995** (2015.01 - EP US)

Citation (search report)
See references of WO 2013030335A1

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

DOCDB simple family (publication)
WO 2013030335 A1 20130307; AU 2012300802 A1 20140320; BR 112014004819 A2 20170328; CA 2845668 A1 20130307; CN 104024543 A 20140903; EP 2751351 A1 20140709; FR 2979647 A1 20130308; FR 2979647 B1 20131004; KR 20140079378 A 20140626; US 2014298692 A1 20141009; US 9145662 B2 20150929

DOCDB simple family (application)
EP 2012066960 W 20120831; AU 2012300802 A 20120831; BR 112014004819 A 20120831; CA 2845668 A 20120831; CN 201280053777 A 20120831; EP 12756426 A 20120831; FR 1157732 A 20110901; KR 20147007641 A 20120831; US 201214239870 A 20120831