

Title (en)
CHAIN CONNECTOR

Title (de)
KETTENVERBINDUNG

Title (fr)
CONNECTEUR DE CHÂÎNE

Publication
EP 2817209 B1 20160420 (EN)

Application
EP 13704827 A 20130123

Priority
• US 201261601331 P 20120221
• US 201213718702 A 20121218
• IB 2013000082 W 20130123

Abstract (en)
[origin: WO2013124717A1] A chain connector for holding a chain (14) that moors a vessel to the sea floor under perhaps 2000 tons tension, which can be quickly disconnected in an emergency by applying a moderate disconnecting force such as 50 tons. The chain is held by ratchets (24, 26) that are mounted on arms (34, 36). The arms have upper ends (35) that are pivotally mounted on a housing (38) and have free lower ends (44), with the lower ends being held by cams (50) on locking dogs (52) that have locking dog lower ends (51) pivotally mounted on the housing and free upper ends (60). A hydraulic actuator (70) has pins (58) that engage the upper ends of the locking dogs to prevent the arms and dogs from pivoting apart until the locking dog upper ends (60) are raised.

IPC 8 full level
B63B 21/18 (2006.01)

CPC (source: EP RU)
B63B 21/18 (2013.01 - EP); **B63B 21/18** (2013.01 - RU)

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 2013124717 A1 20130829; CA 2865128 A1 20130829; CA 2865128 C 20190702; EP 2817209 A1 20141231; EP 2817209 B1 20160420; RU 2014138018 A 20160410; RU 2617878 C2 20170428

DOCDB simple family (application)
IB 2013000082 W 20130123; CA 2865128 A 20130123; EP 13704827 A 20130123; RU 2014138018 A 20130123