

Title (en)

CONTROL PROCESS FOR A DOUBLE-CLAW COUPLING DEVICE

Title (de)

STEUERVERFAHREN FÜR EINE DOPPELKLAUENKUPPLUNGSVORRICHTUNG

Title (fr)

PROCÉDÉ DE PILOTAGE D'UN DISPOSITIF D'ACCOUPLEMENT DE DEUX CRABOTS

Publication

**EP 2021648 A1 20090211 (FR)**

Application

**EP 07731956 A 20070426**

Priority

- FR 2007051183 W 20070426
- FR 0604370 A 20060516

Abstract (en)

[origin: WO2007132106A1] Control process for a double-claw coupling device. The invention concerns the control process for a coupling device without a synchronization mechanism of two claws turning on a same axis and each comprising teeth (9, 10), the claws being liable to be engaged by way of a mechanism which allows for the translation movement of one of the claws, called the sliding claw, in relation to the other claw, called the fastened claw, the translation movement being along the rotating axis of the claws. The process consists of coupling the following steps: during the first phase in which the sliding claw approaches the fastened claw without making contact, a maximum effort (U<SUB>max</SUB>) is applied allowing for the translation of the sliding claw in a second phase during which the tips of the claw teeth (10) of the sliding claw are liable to touch the tips of the teeth (9) of the fastened claw, by reducing the effort (U<SUB>min</SUB>) allowing the translation of the sliding claw 15 in a third phase during which a side of the teeth (10) of the sliding claw are liable to touch a side of the teeth (9) of the fastened claw, by applying a maximum effort (U<SUB>max</SUB>) allowing the translation of the sliding claw.

IPC 8 full level

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Citation (search report)

See references of WO 2007132106A1

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