

Title (en)

IMPACT-ASSISTED KNIFE, FOR EXAMPLE IN THE FORM OF A SHELLFISH KNIFE

Title (de)

STOSSUNTERSTÜTZTES MESSER, ZUM BEISPIEL FÜR SCHALENTIERE

Title (fr)

COUTEAU ASSISTÉ À CHOC, PAR EXEMPLE EN FORME DE COUTEAU À COQUILLAGES

Publication

EP 2991526 A1 20160309 (FR)

Application

EP 14727602 A 20140430

Priority

- FR 1354102 A 20130503
- FR 2014051035 W 20140430

Abstract (en)

[origin: WO2014177811A1] The invention relates to an impact-assisted knife (1), for example for opening shellfish, which comprises a blade (2) that has the ability to retract into an internal cavity (4) of the handle (3) of said knife. The knife (1) incorporates an impact mechanism (12) comprising: - an initiating member (40) provided with an end rod (47), associated with elastic return means (41), and - a hammer (42) associated with elastic means (43), which hammer has a blind bore (60) with a closed end (61) intended to collaborate with said rod (47) of the initiating member (40). The rod (47) is designed to bear against the front face of the hammer (42), around the periphery of the blind bore (60), so as to compress said elastic means (43) associated with the hammer (42), when force is applied to the front part of the blade (2). Furthermore, the impact mechanism (12) comprises means for keeping the rod (47) and the blind bore (60) coaxial after said elastic means (43) have been compressed. In that way, the insertion of the rod (47) into said blind bore (60) under the effect of said means that ensure coaxiality causes an impact between the closed end (61) of the bore and the end of the rod (47), this impact being transmitted to said blade (2).

IPC 8 full level

A47G 21/06 (2006.01)

CPC (source: EP)

A47G 21/065 (2013.01)

Citation (search report)

See references of WO 2014177811A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014177811 A1 20141106; EP 2991526 A1 20160309; EP 2991526 B1 20170426; ES 2634233 T3 20170927; FR 3005249 A1 20141107; FR 3005249 B1 20150515

DOCDB simple family (application)

FR 2014051035 W 20140430; EP 14727602 A 20140430; ES 14727602 T 20140430; FR 1354102 A 20130503