

Title (en)
SHOCK ABSORBER FOR USE IN A SHOE

Title (de)
STOSSDÄMPFER ZUR VERWENDUNG IN EINEM SCHUH

Title (fr)
ABSORBEUR DE CHOCS DESTINÉ À ÊTRE UTILISÉ DANS UNE CHAUSSURE

Publication
EP 3195747 A1 20170726 (EN)

Application
EP 17159975 A 20140409

Priority
• EP 17159975 A 20140409
• EP 14164005 A 20140409

Abstract (en)
The present invention relates to a shock absorber (10,20) for use in a shoe (40). The shock absorber (10,20) comprises an elastic body (25,25) arranged with a plurality of tubular cavities (24) axially extending into the elastic body (25,25) from its under side and ending in the body. Thus, by providing the shock absorber (10,20) according to embodiments of the present invention, it is possible to advantageously adapt to the moulding material forming the midsole of the shoe (40) in which the shock absorber (10,20) is arranged in that when injecting the material in the casting mould onto which the upper, insole (30) and shock absorber (10,20) is placed, the moulding material (typically being polyurethane) will push up into the tubular cavities (24) and thus into the shock absorber (10,20). Hence, the moulding material hardening under the shock absorber (10,20) in prior art manufacturing process will now enter the tubular cavities (24) and thus avoid pushing the shock absorber (10,20) upwards into the shoe.

IPC 8 full level
A43B 3/00 (2006.01); **A43B 7/14** (2006.01); **A43B 13/18** (2006.01)

CPC (source: EP)
A43B 3/0047 (2013.01); **A43B 7/144** (2013.01); **A43B 7/148** (2013.01); **A43B 7/1485** (2013.01); **A43B 13/181** (2013.01)

Citation (search report)
• [Y] US 2003061733 A1 20030403 - KARSTEN [TW]
• [Y] US 5933983 A 19990810 - JEON JUNG-HYO [KR]
• [A] US 2014068965 A1 20140313 - VATTES DAVID L [US], et al

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)
EP 2929790 A1 20151014; EP 2929790 B1 20171213; DK 2929790 T3 20180312; DK 3195747 T3 20190318; EP 3195747 A1 20170726; EP 3195747 B1 20181121; NO 2929790 T3 20180512; PL 2929790 T3 20180530; PL 3195747 T3 20190628

DOCDB simple family (application)
EP 14164005 A 20140409; DK 14164005 T 20140409; DK 17159975 T 20140409; EP 17159975 A 20140409; NO 14164005 A 20140409; PL 14164005 T 20140409; PL 17159975 T 20140409