

Title (en)

PENETRATOR COMPRISING A PENETRATOR BODY, A PENETRATOR HEAD AND A SHOCK ABSORBER IN BETWEEN

Title (de)

PENETRATOR UMFASSEND EINEN PENETRATORRUMPF, EINEN PENETRATORKOPF UND EINEN STOSSDÄMPFER DAZWISCHEN

Title (fr)

PÉNÉTRATEUR COMPRENANT UN CORPS, UNE TÊTE ET UN AMORTISSEUR ENTRE LES DEUX

Publication

EP 3591332 B1 20221130 (DE)

Application

EP 19179756 A 20190612

Priority

DE 102018005406 A 20180706

IPC 8 full level

F42B 12/06 (2006.01); **F42B 15/08** (2006.01); **F42B 30/02** (2006.01); **F42B 12/74** (2006.01); **F42B 33/00** (2006.01)

CPC (source: EP)

F42B 12/06 (2013.01); **F42B 15/08** (2013.01); **F42B 30/02** (2013.01); **F42B 12/74** (2013.01); **F42B 33/001** (2013.01)

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)

DE 102018005406 B3 20190905; EP 3591332 A1 20200108; EP 3591332 B1 20221130; EP 3591332 B8 20230104

DOCDB simple family (application)

DE 102018005406 A 20180706; EP 19179756 A 20190612