

Title (en)  
BREAKING APPARATUS

Title (de)  
ZERKLEINERUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE DESAGREGATION

Publication  
**EP 1010466 A4 20010829 (EN)**

Application  
**EP 98935276 A 19980729**

Priority  
• JP 9803389 W 19980729  
• JP 24009997 A 19970905

Abstract (en)  
[origin: EP1010466A1] A thin metal wire 8 is fused and vaporized by a predetermined amount of electrical energy supplied to the thin metal wire 8 for a short period of time, whereby a blasting substance 3 is expanded in volume. Therefore, a vaporization expansion force caused by the fusion and vaporization of the thin metal wire 8 moves a shock delivering member 22, so that the shock delivering member 22, colliding with a to-be-blasted object H1, delivers a shock to the to-be-blasted object H1, thereby blasting the to-be-blasted object H1. <IMAGE>

IPC 1-7  
**B02C 19/00**; **B02C 19/18**

IPC 8 full level  
**F42D 3/04** (2006.01); **B02C 1/00** (2006.01); **B02C 19/00** (2006.01); **B02C 19/18** (2006.01); **E04G 23/08** (2006.01); **E21C 37/18** (2006.01); **F42B 3/00** (2006.01); **F42D 3/00** (2006.01)

CPC (source: EP)  
**B02C 19/18** (2013.01); **E04G 23/08** (2013.01); **E04G 23/083** (2013.01); **F42B 3/006** (2013.01); **F42D 3/00** (2013.01)

Citation (search report)  
• [A] US 5318145 A 19940607 - VOLLMER ELMAR [DE]  
• [A] DE 4401396 A1 19950720 - BAYERN CHEMIE GMBH FLUGCHEMIE [DE]  
• [A] US 3700169 A 19721024 - NAYDAN THEODORE T, et al  
• See references of WO 9912648A1

Designated contracting state (EPC)  
CH GB LI

DOCDB simple family (publication)  
**EP 1010466 A1 20000621**; **EP 1010466 A4 20010829**; CN 1269735 A 20001011; JP 3249073 B2 20020121; JP H1176854 A 19990323; RU 2183271 C2 20020610; WO 9912648 A1 19990318; ZA 988071 B 19990309

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