

Title (en)

ROTARY COMMUNUTOR AND CONTAINER FOR MANIPULATING OBJECTS CONTAINING TOXIC OR RADIOACTIVE ELEMENTS

Publication

EP 0412004 A3 19911023 (FR)

Application

EP 90402194 A 19900731

Priority

FR 8910460 A 19890801

Abstract (en)

[origin: EP0412004A2] The comminutor according to the invention enables objects to be reduced to small dimensions while avoiding problems of rotor blockage. It comprises chiefly a casing (2) to which are fixed dead knives (20). A rotor (10) is mounted rotatably inside the casing (2) and is formed from discs carrying equal numbers of knives (12) set off at angular intervals. The knives (12) and dead knives (20) are positioned on the axis of rotation (8) and the casing (2) respectively, in such a way that a gap is left between all the lateral faces of the knives (12) and of the dead knives (20) to prevent any contact between these parts. The motor is reversible to allow the rotor (10) to be released in the event of jamming and to allow operation in both directions of rotation of the rotor (10). Application to a container for the comminutory handling of radioactively contaminated objects or objects containing toxic elements. <IMAGE>

IPC 1-7

B02C 18/18; **B02C 18/22**; **B02C 18/24**; **B02C 18/40**

IPC 8 full level

B02C 18/18 (2006.01); **B02C 18/22** (2006.01); **B02C 18/24** (2006.01)

CPC (source: EP)

B02C 18/182 (2013.01); **B02C 18/2291** (2013.01); **B02C 18/24** (2013.01); **B02C 19/0075** (2013.01)

Citation (search report)

- [Y] US 4809915 A 19890307 - KOFFSKY ROBERT M [US], et al
- [Y] US 4394983 A 19830726 - ULSKY CARL M
- [A] DE 3437719 A1 19860417 - ROEDIGER WILHELM GMBH CO [DE]
- [A] DE 2840138 A1 19800327 - GILLESSEN JOSEF L

Cited by

RU2471119C1; DE10158845A1; US5992777A; RU2471120C2; US2016288132A1; US10589283B2; WO9710057A1; US10875030B2

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

EP 0412004 A2 19910206; **EP 0412004 A3 19911023**

DOCDB simple family (application)

EP 90402194 A 19900731