

Title (en)

SAFETY DEVICE FOR THE LOAD-ENGAGING MECHANISM OF NUCLEAR COMBUSTION ELEMENTS

Publication

EP 0088168 B1 19861126 (FR)

Application

EP 82200290 A 19820308

Priority

EP 82200290 A 19820308

Abstract (en)

[origin: US4623509A] The safety device consists of doubling a first reel (4) equipped with an operating cable (11) from a carriage (24) for nuclear fuel elements is suspended, by a second reel (5) equipped with an emergency cable (12) connected with the carriage (24) and following the displacement of the carriage in a synchronous manner with the aid of a set of cog-wheels (6 and 7) joined respectively with the reels (4 and 5) by means of reducing gears (2 and 3) and connected with each other by a notched belt (8). To attenuate the impact in case of a rupture of the operating cable (11) and the loading of the emergency cable (12), the carriage (24) is equipped with an attenuating system (22) and an elastic connecting system (20).

IPC 1-7

B66C 15/02; **B66D 1/54**; **G21C 19/02**

IPC 8 full level

B66C 15/02 (2006.01); **B66D 1/54** (2006.01)

CPC (source: EP US)

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Cited by

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EP 82200290 A 19820308; AT 82200290 T 19820308; DE 3274447 T 19820308; US 47116983 A 19830301