

Title (en)
METHOD AND APPARATUS FOR CONTROLLING SINGLE WIRES IN A STRANDING MACHINE

Publication
EP 0094453 A3 19851016 (DE)

Application
EP 82111660 A 19821215

Priority
CH 307282 A 19820518

Abstract (en)
[origin: US4591995A] For monitoring stranding machines for breakage or run-out of single strands, a device is employed which checks the rope or cable after stranding for uniformity of the rope or cable surface. For this purpose, an electrical image of the rope or cable surface is read into a memory and the measured values compared with this stored pattern during the further stranding process. In the event of deviations resulting from this comparison, disconnecting or other actuating elements are actuated in order to avoid the production of further faulty lengths of rope or cable. For reflection measurements, electromagnetic, optical or acoustic waves can be employed. Instead of scanning of the rope or cable surface based on reflection, corpuscular radiation which partially penetrates the rope or cable can be employed.

IPC 1-7
D07B 7/08; G01N 21/88

IPC 8 full level
B65H 63/02 (2006.01); **D07B 7/08** (2006.01)

CPC (source: EP US)
D07B 7/08 (2013.01 - EP US)

Citation (search report)
• [A] DE 1243056 B 19670622 - J A KRAFT
• [A] AT 342467 B 19780410 - VMW RANSHOFEN BERNDORF AG [AT]
• [A] US 3822945 A 19740709 - ROBINSON D, et al
• [A] DE 1690098 A1 19710415 - SIEMENS AG
• [A] GB 1143243 A 19690219 - SIEMENS AG
• [A] CH 527409 A 19720831 - FISCHER AG GEORG [CH]
• [A] US 3345812 A 19671010 - PICKERING NORMAN C

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0094453 A2 19831123; **EP 0094453 A3 19851016**; **EP 0094453 B1 19870930**; CA 1228133 A 19871013; CH 656160 A5 19860613; DE 3277420 D1 19871105; DK 158386 B 19900514; DK 158386 C 19901008; DK 220383 A 19831119; DK 220383 D0 19830517; FI 71958 B 19861128; FI 71958 C 19870309; FI 830720 A0 19830303; FI 830720 L 19831119; JP S58203190 A 19831126; JP S6140797 B2 19860911; US 4591995 A 19860527

DOCDB simple family (application)
EP 82111660 A 19821215; CA 420209 A 19830125; CH 307282 A 19820518; DE 3277420 T 19821215; DK 220383 A 19830517; FI 830720 A 19830303; JP 5285083 A 19830330; US 47321283 A 19830308