

Title (en)

METHOD OF REPLACING SLIDING GATE CLOSURES FOR TRACK-BOUND TORPEDO LADLES

Publication

EP 0053736 B1 19850403 (DE)

Application

EP 81109572 A 19811109

Priority

DE 3046194 A 19801208

Abstract (en)

[origin: US4372537A] A method and installation is disclosed for the replacement of a bottom closure of a track-mounted pugh-type transfer ladle having a transfer container supported by two longitudinally spaced-apart bogies which are pivotally attached to the transfer container for swinging movement about a vertical axis, the transfer container having a removable bottom closure located between said bogies. The ladle is moved longitudinally of itself and the two bogies are directed on to different tracks which are spaced from each other to thereby swing the bogies relative to the transfer container and increase the longitudinal space between the bogies; and thereafter the closure is replaced from below through the resulting increased space.

IPC 1-7

C21C 1/06; **B22D 41/12**

IPC 8 full level

B22D 41/12 (2006.01); **B22D 41/22** (2006.01); **C21C 1/06** (2006.01)

CPC (source: EP US)

B22D 41/12 (2013.01 - EP US); **B22D 41/22** (2013.01 - EP US); **C21C 1/06** (2013.01 - EP US)

Citation (examination)

- JP S5497918 A 19790802 - TOKYO SHIBAURA ELECTRIC CO
- Patent Abstracts of Japan Vol. 3, Nr. 122 13/10/1979, p. 16 M 76

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL

DOCDB simple family (publication)

EP 0053736 A1 19820616; **EP 0053736 B1 19850403**; AT E12522 T1 19850415; DE 3046194 A1 19820609; DE 3046194 C2 19850725; DE 3169734 D1 19850509; JP S5822957 U 19830212; JP S6129719 Y2 19860901; US 4372537 A 19830208

DOCDB simple family (application)

EP 81109572 A 19811109; AT 81109572 T 19811109; DE 3046194 A 19801208; DE 3169734 T 19811109; JP 18120481 U 19811207; US 32494881 A 19811125