

Title (en)
TROLLEY

Publication
EP 0046210 B1 19840328 (DE)

Application
EP 81105808 A 19810723

Priority
DE 3030929 A 19800816

Abstract (en)
[origin: ES8301158A1] A novel crane trolley has four guiding pulleys lying on opposed upper and lower guiding surfaces, arranged diagonally to eliminate the need for having eight guiding pulleys. On each side of the trolley are upper and lower guiding pulleys, with the lower in front on one side and the upper in front on the other side. The pulleys may be mounted under spring tension. Two such trolleys may be hinged together to support heavy loads.

IPC 1-7
B66C 11/06; **B61B 3/02**; **B66C 9/02**

IPC 8 full level
B61B 3/02 (2006.01); **B66C 9/02** (2006.01); **B66C 11/06** (2006.01); **E05F 15/14** (2006.01)

CPC (source: EP US)
B61B 3/02 (2013.01 - EP US); **B66C 7/02** (2013.01 - US); **B66C 11/06** (2013.01 - EP US); **E05F 15/635** (2015.01 - EP US); **E05Y 2201/684** (2013.01 - EP US); **E05Y 2800/266** (2013.01 - EP US)

Cited by
EP0681988A1; EP0151641A4; US5269228A; US4752011A; WO9211404A1

Designated contracting state (EPC)
AT BE CH FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0046210 A2 19820224; **EP 0046210 A3 19820414**; **EP 0046210 B1 19840328**; AT E6848 T1 19840415; DE 3030929 A1 19820311; DE 3030929 C2 19830105; ES 504699 A0 19821201; ES 8301158 A1 19821201; US 4423685 A 19840103

DOCDB simple family (application)
EP 81105808 A 19810723; AT 81105808 T 19810723; DE 3030929 A 19800816; ES 504699 A 19810812; US 28848281 A 19810730