

Title (en)
SUPPORTING ARRANGEMENT FOR CASTING LADLES AT A CONTINUOUS CASTING PLANT

Publication
EP 0383747 A3 19910327 (DE)

Application
EP 90890030 A 19900208

Priority
AT 33589 A 19890215

Abstract (en)
[origin: JPH02241648A] PURPOSE: To manufacture a ladle supporting device light in weight and low in cost by constituting the device so that a guiding rod of a linkage parallelogram system receives the stress. CONSTITUTION: A supporting bracket system 18 is composed of two independent supporting brackets 31, and each supporting bracket 31 is hinge-fitted independently to the upper and the lower guiding rods 20, 21, 22, 23 in the linkage parallelogram system 17. The upper guiding rods 20, 21 in the linkage parallelogram system 17 do not face a rotary base table 4 at the end parts thereof and integrated with the U-shaped hard unit 27 observed from the bottom surface through a large beam 26. The large beam 26 is supported with at least one set of a pressurizing cylinder through a swivel 38 and the swivel 38 is arranged on a line with the hinges of the upper guiding rods 20, 21 and these hinges are arranged at the end parts which do not face the rotary base table 4.

IPC 1-7
B22D 11/10; **B22D 41/00**

IPC 8 full level
B22D 11/10 (2006.01); **B22D 41/00** (2006.01); **B22D 41/13** (2006.01)

CPC (source: EP US)
B22D 41/13 (2013.01 - EP US)

Citation (search report)
• [AD] EP 0277846 A1 19880810 - CLECIM SA [FR]
• [AD] DE 2430786 A1 19750116 - VALLOUREC LORRAINE ESCAUT
• [A] FR 2070894 A7 19710917 - DEMAG AG
• [A] FR 2535633 A1 19840511 - CLECIM SA [FR]
• [A] FR 1581054 A 19690912

Cited by
DE102022200088A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0383747 A2 19900822; **EP 0383747 A3 19910327**; **EP 0383747 B1 19930428**; AT 391286 B 19900910; AT A33589 A 19900315; DE 59001278 D1 19930609; JP H02241648 A 19900926; US 4966349 A 19901030

DOCDB simple family (application)
EP 90890030 A 19900208; AT 33589 A 19890215; DE 59001278 T 19900208; JP 3358590 A 19900214; US 47996590 A 19900214