

Title (en)

Automatically levelling and compacting sand in mold boxes of varying heights.

Title (de)

Automatisches Planieren und Verdichten von Sand in Formkästen verschiedener Höhen.

Title (fr)

Nivelage et compression automatiques du sable dans des moules de fonderie de hauteurs différentes.

Publication

EP 0012574 A1 19800625 (EN)

Application

EP 79302811 A 19791206

Priority

US 96711078 A 19781206

Abstract (en)

The specification discloses a strike off apparatus for levelling and compacting mounds of sand (32) extending above the upper edges of open-top mold boxes (22) of varying heights carried in succession along a pathway. A pair of pivotally supported rollers (38A, 38B) extend across the pathway. A sensor (36) determines the height of a sand mound in a mold box before it reaches the rollers. An elevating mechanism including a hydraulic cylinder (110) responsive to the sensor adjusts the rollers to a height so that they level and compact the sand mound as the mold box is carried thereunder. A control system including electrical and hydraulic circuits is provided for automatically controlling the cyclical operation of the apparatus.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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