

Title (en)

Core shot hood cleaning assembly and method for the production of mould shells or cores

Title (de)

Vorrichtung und Verfahren zur Schusshaubenreinigung bei der Herstellung giessfertiger Masken bzw. Kernpakete

Title (fr)

Installation et procédé de nettoyage de tête de fir dans la production des noyaux ou des moules-carapaces

Publication

EP 0636438 B1 19971029 (DE)

Application

EP 94105433 A 19940408

Priority

DE 4322986 A 19930709

Abstract (en)

[origin: CA2126728A1] An apparatus for cleaning shot hoods during the manufacture of shells or core packets that are ready for casting, by means of core shooters or shooting stations, preferably in a linear arrangement, the core shooters in each instance incorporating a shot hood (3) that comprises a shot plate (1) and shot nozzles (2), it being possible to uncouple the shot hood (3) from the core shooter and lay it on a pallet (4) or the like with the shot nozzles (2) pointing downward, characterized by a delivery system (5), a transfer station (6), an emptying station (7), a flushing system (8), a drying system (9), an exit station (10), optionally an inspection station, and a removal system (11), the shot hood (3) that has been laid upon the pallet (4) being moveable from the core shooter to the transfer station (6) by means of the delivery system (5), it then being possible to raise it from the pallet (4) by means of a first manipulator (12) and pivot it through approximately 180.degree. about a horizontal axis (13) and then move it with the shot nozzles (2) pointing upward to the emptying station (7), in which it is emptied, to the flushing system (8), the drying system (9), and then to the exit station (10) where it is pivoted through approximately 180.degree. about a horizontal axis (13), when, with the shot nozzles (2) directed downward, it can be positioned upon a clean pallet (4) and then returned, optionally through the inspection station, by the removal system (11) to the core shooter or to a tool store. (Figure 1)

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IPC 8 full level

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