

Title (en)
METHOD OF ENSURING SAND-MOULD QUALITY BY MEASURING THE RATE OF FLOW OF OIL TO THE HEAD OF A PRESS

Title (de)
SANDFORMQUALITÄT DURCH ÖLSTROMMESSUNG ZUM PRESSHAUPT

Title (fr)
PROCEDE POUR ASSURER LA QUALITE DE MOULES EN SABLE PAR MESURE DU FLUX D'HUILE ENVOYE A LA PARTIE SUPERIEURE D'UNE PRESSE

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Application
EP 96907251 A 19960315

Priority

- DE 9600463 W 19960315
- DE 19509211 A 19950317
- DE 19540466 A 19951030
- US 93767497 A 19970925

Abstract (en)
[origin: US5980794A] The invention relates a control or regulation of a multipiston squeeze head or block squeeze head of a molding machine for clay-bonded molding sand (molding material). In an active pressing process with a squeeze head moving in downward direction, e. g. consisting of multislides or multipistons, the displacement of individual multislides has so far been detected through by end switches (approach switches) or through inductive stroke transducer. Thus, reached positions are registered and processed in a control means. Subject matter of the invention is an adaptation of influenceable parameters to obtain a sand mold of good quality on a long-term basis. Surprisingly, the measurement of the flown oil (Q;qt(t)) provides a basis for the improvement of the sand mold. If models of different sizes are molded subsequently, the quantity of sand required is different. According to the control signal of the invention (Q;qt(t)), more or less sand is filled into the bunker.

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CPC (source: EP US)
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Citation (examination)

- US 5039294 A 19910813 - GAUTIER JEAN [FR], et al
- US 5409052 A 19950425 - KANETO KIMIKAZU [JP], et al

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