

Title (en)
PILE HAMMER CUSHION BLOCK.

Title (de)
PRELLBLOCK FÜR RAMMHAMMER.

Title (fr)
BLOC AMORTISSEUR POUR MARTEAU PILON.

Publication
EP 0038358 A4 19820303 (FR)

Application
EP 80902263 A 19810519

Priority
US 8978079 A 19791031

Abstract (en)
[origin: WO8101262A1] The object of the invention is to provide a cushion block for a pile hammer which quickly dissipates heat developed in the pile driving operation, which utilizes readily available inexpensive materials for its construction, which can be made in a variety of forms, which permits pile driving to be carried out quickly and efficiently and which allows for a reduction in diameter of the cushion insuring a snug fit to prolong the useful life of the block. A block of cushioning material (10) is arranged to be disposed in a cavity (16) within a drive cap (11) of a pile hammer (12), the drive cap being positioned on the upper end of a pile for impact engagement by the ram (17) with the block of cushioning material during a pile driving operation. The block of cushioning material (10) is of high heat conductivity and arranged in heat transfer relationship with the inner wall of the cavity (16) whereby hysteresis heat generated within the block of cushioning material during impact driving is conducted by the block to the drive cap, which acts as a heat sink for ultimate radiation of the heat into the ambient air.

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IPC 8 full level
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Citation (search report)

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