

Title (en)

WATER-COOLED MOLD FOR CASTING ALUMINUM ALLOY WHEEL

Title (de)

WASSERGEKÜHLTE FORM ZUM GIESSEN VON ALUMINIUMLEGIERUNGSRÄDERN

Title (fr)

MOULE REFROIDI À L'EAU POUR LA COULÉE D'UNE ROUE EN ALLIAGE D'ALUMINIUM

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EP 3492194 A1 20190605 (EN)

Application

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Priority

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Abstract (en)

The present invention provides a water-cooled mold for casting an aluminum alloy wheel, which is composed of a top mold, a side mold and a bottom mold, wherein a side mold insert is included between the side mold and the bottom mold, the inner surface of the side mold insert faces a cavity, and the upper surface and the lower surface are matched with the side mold frame respectively; the side mold insert is made of copper; the matching surface between the side mold insert and the side mold has a contact matching surface having a length of 10-15 mm at the edges of the inner ring and the outer ring respectively, and a gap of 0.05-0.20 mm is formed between the side mold insert and the side mold between the contact matching surfaces. The advantage of the technical solution in the present invention is that by the above measures, the cooling on spoke roots is effectively improved and the influence of the cooling water channel on spokes is limited.

IPC 8 full level

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- [X] CN 204209101 U 20150318 - CITIC DICASTAL CO LTD
- [X] CN 205702388 U 20161123 - CITIC DICASTAL CO LTD
- [X] CN 106077575 A 20161109 - CITIC DICASTAL CO LTD

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