

Title (en)
Brake disc production method and products thereby obtained

Title (de)
Verfahren zur Herstellung von Bremsscheiben und Bremsscheiben

Title (fr)
Procédé de fabrication de disques de frein et disc de frein

Publication
EP 1679142 A3 20060719 (EN)

Application
EP 06425007 A 20060110

Priority
IT MN20050001 A 20050111

Abstract (en)
[origin: EP1679142A2] The invention describes a brake disc production system and the products thereby obtained, featuring a cast iron melting phase and a subsequent plurality of phases in which a metal mould is made to rotate and is lined with a particular refractory material. There follows a phase in which the liquefied cast iron is removed from the furnace then poured into the rotating mould through a special opening. At this point, the mould is cooled by means of nozzles which spray water at the said mould's external surface, and the cylindrical element obtained at the end of the cooling phase is then extracted. Finally, a shot blasting phase is carried out in which all the residues are cleaned off the cylindrical element, followed by a phase in which the structural and mechanical characteristics of the said element are checked. Finally, the cylindrical element is cut into "slices" to realise the single discs.

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Citation (search report)
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