

Title (en)  
SYSTEMS AND METHODS FOR FORMING NON-PNEUMATIC TIRES

Title (de)  
SYSTEME UND VERFAHREN ZUR HERSTELLUNG LUFTLOSER REIFEN

Title (fr)  
SYSTÈMES ET PROCÉDÉS PERMETTANT DE FORMER DES PNEUS NON PNEUMATIQUES

Publication  
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Application  
**EP 13834838 A 20130906**

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- US 201213606945 A 20120907
- US 201213606908 A 20120907
- US 2013058499 W 20130906

Abstract (en)  
[origin: WO2014039814A1] A system (10) for molding a non-pneumatic tire includes a lower mold portion (12) including a lower face plate (30) configured to provide a lower relief (34) corresponding to a first side of the tire. The lower mold portion also includes a plurality of lower projections (46) extending from the lower face plate and configured to correspond to cavities in the first side of the tire, wherein the lower projections taper as the lower projections extend from the lower face plate, and wherein at least some of the lower projections are hollow. The system further includes an upper mold portion (14) configured to be coupled to the lower mold portion. The lower mold portion and the upper mold portion are configured to be coupled to one another, such that a hub (16) associated with the tire provides a seal between the lower mold portion and the upper mold portion.

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CPC (source: EP)  
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Citation (search report)

- [A] US 4832098 A 19890523 - PALINKAS RICHARD L [US], et al
- [X] US 1386513 A 19210802 - LAMBERT HENRY M
- [A] KR 20090055183 A 20090602 - HANKOOK TIRE CO LTD [KR]
- [A] US 5055245 A 19911008 - HISATOMI HIDEO [JP], et al
- [A] GB 1239782 A 19710721 - BUGDEN HENRY
- [A] SU 1689091 A1 19911107 - NII KRUPNOGABARITNYKH SHIN [SU]
- [A] DE 2944150 A1 19810514 - BAYER AG [DE]
- See references of WO 2014039814A1

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