

Title (en)

STEEL USED FOR HOT STAMPING, HOT STAMPING PROCESS AND FORMED COMPONENT

Title (de)

STAHL FÜR HEISSPRÄGEN, HEISSPRÄGEVERFAHREN UND FORMTEIL

Title (fr)

ACIER UTILISÉ POUR L'ESTAMPAGE À CHAUD, PROCÉDÉ D'ESTAMPAGE À CHAUD ET COMPOSANT FORMÉ

Publication

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Application

**EP 18873592 A 20181029**

Priority

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Abstract (en)

[origin: WO2019085855A1] A kind of steel is able to achieve a high elongation with the steel used for hot stamping by means of simple hot stamping process. The formed component has excellent yield strength, tensile strength and elongation. The steel used for hot stamping comprises by weight percent 0.1- 0.19%of C, 5.09- 9.5%of Mn, 0.11- 0.4%of V, and 0-2%Si + Al, wherein the combination of C and V meets one of the following two requirements: 1) 0.1-0.17%of C and 0.11- 0.4%of V; and 2) 0.171- 0.19%of C and 0.209-0.4%of V.

IPC 8 full level

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CPC (source: CN EP KR US)

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Citation (search report)

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- [A] US 2014308156 A1 20141016 - OH JIN-KEUN [KR], et al
- [A] WO 2017068757 A1 20170427 - JFE STEEL CORP [JP]

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