

Title (en)
ROLLED H-BEAM STEEL AND PRODUCTION METHOD THEREFOR

Title (de)
WALZSTAHL FÜR H-TRÄGER UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
ACIER LAMINÉ POUR POUTRE EN H ET PROCÉDÉ DE PRODUCTION ASSOCIÉ

Publication
EP 3483294 A4 20191127 (EN)

Application
EP 17846496 A 20170829

Priority
• JP 2016166535 A 20160829
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Abstract (en)
[origin: EP3483294A1] Rolled H-shaped steel is characterized in that a top 5% average value of Mn concentrations in a most embrittled portion in a flange is 1.6 times or less an Mn concentration at a position of 1/6 in a flange width direction from an end face in the flange width direction and 1/4 in a flange thickness direction from a face of a flange positioned on a side opposite to that of a web, and a top 5% average value of Mn concentrations in a central segregation portion dispersed in a region 15 mm or more apart from a center of the flange width toward one end face or both end faces in the flange width direction and within 2 mm from a flange surface layer in the thickness direction is not less than 1.1 times nor more than 1.6 times the Mn concentration at the position of 1/6 in the flange width direction from the end face in the flange width direction and 1/4 in the flange thickness direction from the face of the flange positioned on the side opposite to that of the web.

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)
• [Y] JP S6021101 A 19850202 - SUMITOMO METAL IND
• [Y] JP S6182903 A 19860426 - SUMITOMO METAL IND
• [Y] EP 0609556 A2 19940810 - NIPPON STEEL CORP [JP]
• [Y] EP 1769097 A1 20070404 - NIPPON STEEL CORP [JP]
• [Y] EP 2975149 A1 20160120 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
• [A] JP H0199701 A 19890418 - SUMITOMO METAL IND
• See references of WO 2018043491A1

Designated contracting state (EPC)
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