

Title (en)  
METHOD FOR PRODUCING CUBE-ON-EDGE ORIENTED SILICON STEEL

Publication  
**EP 0099619 A3 19840725 (EN)**

Application  
**EP 83302013 A 19830411**

Priority  
US 39968082 A 19820719

Abstract (en)  
[origin: EP0099619A2] An improvement in the manufacture of cube-on-edge oriented silicon steel; the improvement comprises coating the surface of the silicon steel with a manganese-bearing material prior to texture annealing, whereby secondary grain growth is inhibited during texture annealing to achieve reduced watt loss.

IPC 1-7  
**C21D 8/12**; **C21D 1/70**; **C23C 9/00**

IPC 8 full level  
**C21D 1/70** (2006.01); **C21D 8/12** (2006.01); **C21D 9/46** (2006.01); **C23C 10/28** (2006.01); **H01F 1/147** (2006.01)

CPC (source: EP)  
**C21D 1/70** (2013.01); **C21D 8/1283** (2013.01); **C23C 10/28** (2013.01); **H01F 1/14783** (2013.01); **C21D 8/1294** (2013.01)

Citation (search report)  
• [X] FR 2268868 A1 19751121 - NIPPON STEEL CORP [JP]  
• [X] GB 1183092 A 19700304 - YAWATA IRON & STEEL CO [JP]  
• [X] GB 2011481 A 19790711 - ALLEGHENY LUDLUM IND INC  
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Cited by  
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Designated contracting state (EPC)  
BE DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0099619 A2 19840201**; **EP 0099619 A3 19840725**; BR 8301545 A 19840417; CA 1194386 A 19851001; JP H0515765 B2 19930302; JP S5928524 A 19840215; KR 840004174 A 19841010; KR 890000126 B1 19890308; PL 242750 A1 19840312

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**EP 83302013 A 19830411**; BR 8301545 A 19830325; CA 422372 A 19830225; JP 9332483 A 19830526; KR 830000879 A 19830304; PL 24275083 A 19830629