

Title (en)  
Silicon steel plate and method for producing the same

Title (de)  
Silizium-Stahlblech und Verfahren zur Herstellung dieses Bleches

Title (fr)  
Plaque d'acier au silicium et procédé pour sa fabrication

Publication  
**EP 1052043 A3 20020410 (EN)**

Application  
**EP 00109188 A 20000509**

Priority

- JP 12925099 A 19990510
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- JP 2000035435 A 20000214

Abstract (en)  
[origin: EP1052043A2] A silicon steel plate excellent in magnetic properties, workability, flatness, punching quality and the like is produced easily even in a case of high Si content as much as 12 wt%, through ÅÄ powder mixing process using iron powder and Fe-Si alloy powder, ÅÄ powder rolling process for forming the mixture into sheet metal, ÅÄ sintering process, ÅÄ cold rolling process, ÅÄ diffusion annealing process, and ÅÄ finish rolling process for subjecting the sintered, cold-rolled and annealed sheet metal to skin pass rolling. <IMAGE>

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**B22F 3/18**; **B22F 3/24**; **B22F 7/08**; **C22C 1/04**; **C22C 38/02**; **C22C 33/02**

IPC 8 full level  
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CPC (source: EP)  
**B22F 3/18** (2013.01); **C22C 38/02** (2013.01); **H01F 1/14783** (2013.01); **B22F 2003/248** (2013.01); **C21D 8/1227** (2013.01); **C21D 8/1233** (2013.01); **C21D 8/1238** (2013.01)

Citation (search report)

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