

Title (en)  
Safety handrail provided with touch-perceptible direction indicating means

Title (de)  
Sicherheitshandlauf mit taktilen Richtungsanzeigern

Title (fr)  
Main courante de sécurité avec indicateurs de direction tactiles

Publication  
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Application  
**EP 02017130 A 20020730**

Priority  
IT GE20010084 A 20011025

Abstract (en)  
A safety handrail or banister (1) is described provided at least on its back surface with touch-perceptible direction indicating means (3). According to an embodiment of the invention, the said touch-perceptible direction indicating means (3) are in the form of relief arrow point like marks. Advantageously, the said touch-perceptible direction indicating means (3) are formed at comparatively close distance one from the other along the whole length of the said handrails (1). Whenever the said handrails (1) are made from sheet metal, the said direction indicating means (3) are formed on said handrails (1) by an embossing process. <IMAGE>

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IPC 8 full level  
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Citation (search report)

- [X] DE 3406944 A1 19850829 - RIEDEL ERICH O DIPL ING [DE]
- [X] DE 29515730 U1 19970213 - WILKE HEINRICH HEWI GMBH [DE]
- [X] GB 2110864 A 19830622 - BRITT LAURENCE DONALD, et al
- [X] GB 2287566 A 19950920 - WHEELER ELAINE RUTH [GB]
- [X] US 5065837 A 19911119 - SZUDY KATHERINE A [US]
- [X] GB 2224154 A 19900425 - KEEN EDWARD FRANK, et al
- [X] US 259544 A 18820613
- [XA] DE 29806176 U1 19980709 - KUKATSCH ECKHARD [DE]
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