

Title (en)  
REFERENCE CURRENT SOURCE

Publication  
**EP 0238903 B1 19910508 (DE)**

Application  
**EP 87103064 A 19870304**

Priority  
DE 3610158 A 19860326

Abstract (en)  
[origin: US4785231A] At a reference current source with two transistors and a controlled double current source, the base of the second transistor is connected to the collector of the first transistor, the emitter of the first transistor is connected to a reference point, the first terminal of the controlled double current source is connected to the first transistor, and the second terminal of the controlled double current source is connected to the collector of the second transistor. Either a first resistor is inserted between the base and the collector of the first transistor, and the emitter of the second transistor is connected to the reference point or the first resistor is inserted between the emitter of the second transistor and the reference point, and the base and the collector of the first transistor are connected to one another. A resistor is connected between the base of the first transistor and the reference point and/or a resistor is connected between the collector of the second transistor and the reference point.

IPC 1-7  
**G05F 3/28**; **G05F 3/30**

IPC 8 full level  
**G05F 3/26** (2006.01); **G05F 3/30** (2006.01)

CPC (source: EP US)  
**G05F 3/265** (2013.01 - EP US); **G05F 3/30** (2013.01 - EP US)

Cited by  
EP0759588A3

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FR GB IT

DOCDB simple family (publication)  
**EP 0238903 A1 19870930**; **EP 0238903 B1 19910508**; DE 3610158 A1 19871001; DE 3610158 C2 19900125; US 4785231 A 19881115

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**EP 87103064 A 19870304**; DE 3610158 A 19860326; US 2990887 A 19870325