

Title (en)
CURRENT-LIMITING CIRCUIT

Publication
EP 0477165 A3 19930825 (DE)

Application
EP 91890211 A 19910916

Priority
AT 190390 A 19900919

Abstract (en)
[origin: EP0477165A2] The control device (1) of a current limiting circuit has a reference current source (4), which is controlled via a reference voltage input (Uref), and a fed-back current source (5), which is connected in series therewith, both in a branch (3) which is in parallel with the supply voltage source (U). A control element (2) has at least two load current sources (6), which are connected in parallel, are arranged in series with the load (R) and to which the reference voltage (UG) provided by the fed-back current source (5) is applied. Corresponding to the number (n) of the load current sources (6) which are connected in parallel on the output side, the output current is greater by (n+1) times than the reference current (Iref) supplied by the reference current source, the reaction time being determined only by the switching speed of one of the current sources (5, 6) which are connected in parallel. <IMAGE>

IPC 1-7
H02H 9/02

IPC 8 full level
G05F 1/573 (2006.01); **G05F 1/577** (2006.01)

CPC (source: EP)
G05F 1/573 (2013.01); **G05F 1/577** (2013.01)

Citation (search report)
• [A] DE 3920658 A1 19891228 - KONE ELEVATOR GMBH [CH]
• [A] EP 0143955 A1 19850612 - CEAG LICHT & STROM [DE]
• [A] EP 0354098 A1 19900207 - VALEO ELECTRONIQUE [FR]
• [A] FR 2628231 A1 19890908 - HUGHES AIRCRAFT CO [US]
• [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 32 (P-50)27. Februar 1981 & JP-A-55 154 617 (MITSUBISHI) 2. Dezember 1980

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