

(51) International Patent Classification:
G06F 15/16 (2006.01)(21) International Application Number:
PCT/US2012/065429(22) International Filing Date:
16 November 2012 (16.11.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/561,675 18 November 2011 (18.11.2011) US
13/339,985 29 December 2011 (29.12.2011) US(71) Applicant: **AMAZON TECHNOLOGIES, INC.**
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: VIRTUAL NETWORK INTERFACE OBJECTS

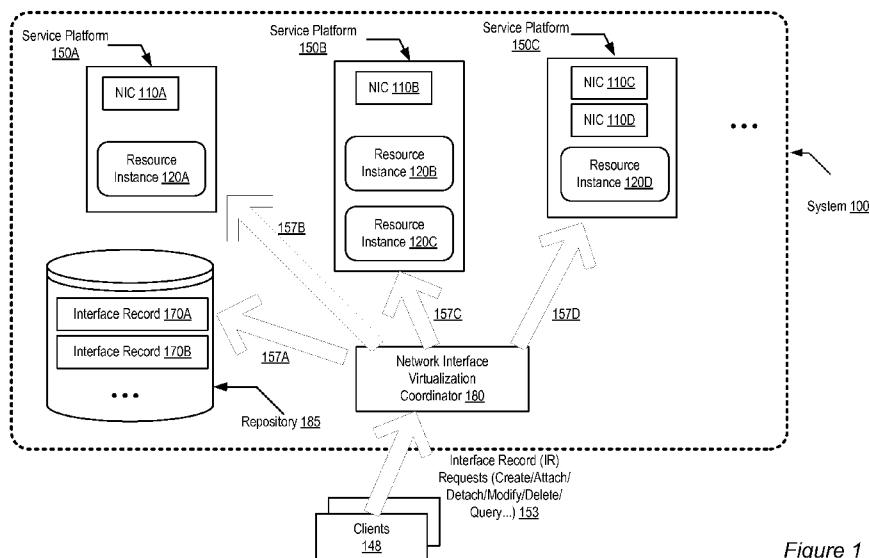


Figure 1

(57) Abstract: Methods and apparatus for interfaces to manage virtual network interface objects. A system may include resource instances and a network interface virtualization coordinator. Responsive to a record creation request, the coordinator creates an interface records that may include an IP address, subnet information and security properties. The coordinator may, in response to a request to attach the record to a resource instance, enable traffic directed to the IP address to flow to the resource instance. In response to a subsequent detach request, the traffic to the IP address may be disabled at the resource instance. The same interface record may be attached to another resource instance in response to another attach request, enabling traffic directed to the IP address to flow to the second resource instance.